

Entomology Abstracts

Annual Indexes to Volume 12 1981

QL
461
E 9853
V. 12
INDEX
1981

71 C

U. I. C. C.

FEB 11 1982

LIBRARY

S 2

0013-8932

an Information Retrieval publication



Entomology Abstracts

Annual Indexes to Volume 12 1981

Editor David W. Pearce

Assistant editor Rebecca J. Stitt

Author Index pages 1-45

Subject Index pages 46-385

ISSN 0013-8932



Compiled monthly by Information Retrieval Limited

Subscriptions

An annual subscription to Entomology Abstracts includes twelve monthly issues, each containing an Author and Subject Index, and a separate Annual Author and Subject Index sent without further charge to subscribers after completion of the volume. Subscriptions are entered on a calendar year basis only.

Annual subscription rates 1981

North, Central and South America (including air delivery)	US\$350.00
UK & overseas (surface)	£130.00
Overseas (air)	£136.00

Two-year subscription rates

Save 5% on a two-year subscription to the 1981 and 1982 volumes. To calculate the two-year rate, simply double the 1981 price above and deduct 5%.

Personal rate subscriptions

Half-price subscriptions are available to research scientists whose institutions already subscribe at full rate. Details on application from the publisher.

Orders

Orders from or on behalf of subscribers in the various geographical areas shown below should be routed to the appropriate IRL office or sole agent with payments made in the currencies marked:

Western hemisphere

(North, Central and South America — payment in US dollars)
Information Retrieval Inc.,
1911 Jefferson Davis Highway,
Arlington, VA 22202,
USA.

Japan

(payment in yen)
US Asiatic Company Limited,
Tsutsumi Building,
13-12 Shimbashi 1-chome,
Minato-ku, Tokyo 105, Japan.

India, Sri Lanka, Bangladesh, Nepal, Burma, Malaysia, Singapore, Indonesia and Thailand
Universal Subscription Agency Pvt. Ltd.,
117/H-1/294-B Model Town,
Pandu Nagar, Kanpur 208005,
India.

Rest of the world

(payment in sterling)
Information Retrieval Limited,
PO Box 1,
Eynsham, Oxford OX8 1JJ,
England.

© 1981 Information Retrieval Limited

All rights reserved by the publisher. No part of this publication may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system, without permission in writing from the publisher.

Entomology Abstracts (ISSN 0013-8932) is published monthly with an annual index for US\$350.00 per year by Information Retrieval Limited, London, England. Second class postage paid at Jamaica, NY 11431. Send US address changes to Information Retrieval Inc., 1911 Jefferson Davis Highway, Arlington, VA 22202.

Printed by
Information Printing Ltd, Oxford, England

Published by
Information Retrieval Ltd.,
1, Falconberg Court, London W1, England.

日本における予約購読価格はIRLカタログの
ポンド表示とは関係なく、円建となっており、
航空貨物便 (air cargo) 料金を含んでおります
のでご了承下さい。
尚、ご注文は、最寄りの洋書取扱店にお申し込
み下さい。

Preface

These indexes are cumulations of the monthly indexes from the 1981 volume of Entomology Abstracts.

The **Subject Index** (which includes a taxonomic index) is compiled in the following way. For each document the indexer selects indexing terms from fixed lists of keywords which are continually updated. From these selected terms word chains are constructed, the word order being determined by the indexer. It is these word chains which make up the **Subject Index** entries.

The index terms used to create the **Subject Indexes** plus additional terms selected by the indexer to further describe and define the document are also present as a search tool in the IRL database.

The following conventions apply to all terms used in the **Subject Index**:

- (1) All derivatives of purines, pyrimidines, nucleosides and nucleotides are listed under the parent compound e.g. 5-fluorouracil = uracil (5-fluoro).
- (2) Enzyme names follow the 1978 recommendations of the IUPAC and IUB.
- (3) Latin binomials are used for all taxonomic terms except domestic animals, livestock and pets.

IRL publications

Abstracts journals

Animal Behaviour Abstracts

Aquatic Sciences & Fisheries Abstracts:

Part 1 - Biological sciences & living resources

Part 2 - Ocean technology, policy & non-living resources

Biochemistry Abstracts:

Part 1 - Biological Membranes

Part 2 - Nucleic Acids

Part 3 - Amino-acids, Peptides & Proteins

Calcified Tissue Abstracts

Chemoreception Abstracts

Ecology Abstracts

Entomology Abstracts

Genetics Abstracts

Immunology Abstracts

Microbiology Abstracts:

Industrial & Applied Microbiology

Bacteriology

Algology, Mycology & Protozoology

Toxicology Abstracts

Virology Abstracts

Other publications

IRL Press Ltd publishes several learned journals, conference proceedings and practical handbooks in the biological and medical sciences. A full list of titles is available on request from your nearest Information Retrieval office.

A list of source periodicals used in the preparation of these abstracting services is available free of charge on request.

Back volumes/microfilm editions

Back volumes are available for all IRL journals more than one year old. It is the policy of IRL however to allow to go out of print (OP) volumes more than five years old. While stocks remain prices for printed back volumes are quoted by the Publisher. All volumes declared OP are maintained on microfilm masters from which duplicates are available.

IRL database products

The above abstracts journals contain over 130,000 abstracts per annum. Computerisation of the abstracting process in 1978 has created a database suitable for on-line searching. The database containing all the above abstracts journals except Aquatic Sciences and Fisheries Abstracts is available on Lockheed DIALOG as file 76, the IRL Life Sciences Collection. Aquatic Sciences and Fisheries Abstracts is available separately as File 44. Other IRL database products include: searchable tapes of the entire database or of subsets consisting of the medical group of IRL abstracting services or of individual journals; weekly Current Alert profiles on selected topics; personal SDI or retrospective searches; bibliographies.

Author Index

- A'Brook, J. 2855, 7029.
Aagaard, K. 70.
Aalto, A. 5012.
Abadjieva, R. 585.
Abai, M. 433, 6367, 7832.
Abatzis, C. 2737.
Abbasova, E.D. 12.
Abbott, A.G. 9683, 9684.
Abbott, D.T. 4315.
Abd-El-Fattah, A.-S.A. 242.
Abd El-Fattah, M.I. 6231.
Abd El-Hafiez, A.M. 6939.
Abd El Nour, H.O. 2093.
Abd El-Sattar, M.M. 6108.
Abdallah, M.D. 9280.
Abdel-Fattah, M.I. 6228.
Abdel-Hamid, M.A. 1824.
Abdel-Malak, N.N. 2818.
Abdel-Monem, A.H. 314.
Abdel Salam, A.L. 2228.
Abdel Wahab, K.S. 4610.
Abdi, H. 7673.
Abdin, M. 8697.
Abdu, R.M. 1826.
Abdul Matin, A.S.M. 3635.
Abdul-Rassoul, M.S. 5930, 5931.
Abdurahiman, U.C. 1515, 6651.
Abdurakhmanov, M.I. 2831.
Abel, D. 1555.
Abend, J.F. 6963.
Ables, J.R. 3048, 5669, 6344, 7872.
Abmayr, S.M. 4904.
Abo-Elghar, M.R. 7088.
Abo-Khatwa, A.N. 2593.
Abonnenc, E. 3000.
Abos Castel, F. 701, 702, 1388.
Abou-Awad, B.A. 6546, 7245.
Aboul-Nasr, A. 9488.
Abplanalp, H. 3768.
Abraham, A. 2884.
Abraham, C.C. 6226.
Abraham, M. 9653.
Abrahamsen, G. 3112.
Abrams, J. 4672.
Abugov, R. 7985.
Abul-Naga, A.M. 7806, 7807.
Acciavatti, R.E. 4141.
Acevedo, H.A. 8968.
Achar, K. P. 8832.
Achary, P.M.R. 7943.
Achyutha Rao, K.N. 6322, 6323.
Ackerman, J.D. 452.
Ackerman, S. 7841.
Ackery, P.R. 7387.
Acon, M. 6506.
Acon Remacha, M. 7214.
Adachi, N. 2703.
Adam, C. 2056.
Adam, L. 2218.
Adamovic, Z.R. 3213.
Adams, D.E. 7772.
Adams, D.L. 465.
Adams, G.D. 6929.
Adams, J.R. 282.
Adams, M.E. 304.
Adams, M.J. 8080.
Adams, P.A. 6685.
Adams, R.G. 6574.
Adams, T.S. 6880.
Addicott, J.F. 8225, 8313.
Addison, E.M. 4800.
Addison, J.A. 4612.
Adena, M.A. 3885.
Adham, F.K. 6318.
Adhami, N. 6138, 8534.
Adhikari, S. 3441.
Adlakha, V. 1846, 2139.
Adler, P.N. 7962.
Adsule, V.M. 410.
Aeschlimann, A. 2591.
Aeschlimann, A.A. 1712.
Afanas'ev, N.A. 4768.
Afifi, S.E.D. 2976.
Afzal, M. 1563, 1566.
Agarwal, G.P. 322.
Agarwal, G.P. 5533.
Agarwal, H.V. 3902, 7060.
Agarwal, K.N. 310.
Agarwal, N. 2586, 7610.
Agarwal, R.-A. 3065.
Agarwal, R.A. 1232, 6093.
Agarwal, S.B. 8504.
Agarwal, V.B. 3747.
Agarwala, B.K. 2241, 3777, 8060.
Agbede, T. 3798.
Agekyan, N.G. 8612.
Agenjo, R. 6515.
Agnihotri, N.P. 566, 3104, 3985, 8766.
Agrawal, O.P. 9191.
Agricola, H. 7463.
Aguade, M. 6454.
Agui, N. 2598.
Aguirre, M. 1044.
Aharoni, Y. 538.
Aharanson, N. 178, 2578.
Ahlen, I. 7540.
Ahmad, I. 809, 1566, 1806, 5140, 5409, 5596, 7328, 7332, 7603, 9144.
Ahmad, J. 1563.
Ahmad Khan, N. 9144.
Ahmad, M. 7345.
Ahmad, S. 8478.
Ahmad, Z. 5312.
Ahmadnezhad, A. 2045.
Ahman, I. 3580.
Ahmed Baluch, M. 9462.
Ahmed, M. 5922, 7715, 8233, 8234, 9462, 9470.
Ahmed, M.S. 3988.
Ahmed, R.F. 4432.
Ahmed, S.I. 3099.
Ahmed, T. 1201.
Ahmedunisa 3099.
Ahrens, E.H. 9563.
Aidley, D.J. 915.
Aiello, A. 1123, 1901, 2435, 2820.
Aiken, R. 7666.
Ainsley, R.W. 1046, 1323.
Aitchison, C.W. 413.
Aizawa, K. 4494.
Aizawa, M. 9769.
Aizenzon, M.G. 2148, 4039, 4883.
Akai, H. 7972.
Akanbi, M.O. 6205.
Akaram, M. 5374.
Akers, R.C. 5502.
Akeson, N.B. 2980, 6338.
Akhanov, A. 7566.
Akhmedov, R.M. 336.
Akhtar, M.S. 2567.
Akhter, R. 1218.
Akimtseva, N.A. 1173.
Akingbohunge, A.E. 83, 3798, 5138, 9376.
Akino, M. 1679.
Akre, R.D. 7537, 8615, 8747, 8783.
Akutsu, K. 4319.
Al-Aidroos, K. 3585.
Al-Badry, M.S. 1774.
Al-Dabbagh, K.Y. 5620.
Al-Iraqi, R.A. 8764.
Al-Khalia, M.S. 1821.
Al-Okaily, A.K. 6868.
Al-Saadi, S.H. 6868.
Al-Saffar, Z.Y. 8764.
Alahiotis, S. 6444.
Alahiotis, S.N. 3178, 8852, 9693.
Alam, M.Z. 5452.
Alapatt, F. 6715.
Alatortsev, V.E. 999, 8462.
Alayo, R. 508.
Alayon Garcia, G. 21.
Albala, F. 7207.
Albert, P.J. 1637.
Alberti, G. 7582, 8541, 8542, 9157.
Albrecht, J. 448, 2222.
Albregts, E.E. 1966.
Albuquerque, D.O. 9049.
Alcock, J. 1855, 2753, 3695, 4644, 4847, 6924, 7655.
Alden, B. 6194.
Alden, B.M. 1028.
Aldred, J.M. 2842.
Aldrete, A.N.G. 2442.
Aldrich, J.R. 275, 6040.
Aldridge, C.A. 3447.
Alekseev, A.V. 5838.
Alekseev, V. 6660.
Alekseyev, V.N. 2408.
Alexander, C.P. 1487, 1488.
Alexander, R.D. 5212.
Alexander, S.A. 1935.
Alexandrakis, V. 375, 7900.
Alfaro, R.I. 1128, 7727.
Alfert, M. 7970.
Alfiler, A.R.R. 9406.
Alford, D.V. 540.
Ali, A. 5647, 6852, 7116, 7856.
Ali, A.M. 2070, 2097, 2099.
Ali, F.A. 8369.
Ali, M. 5042.
Ali, M.A. 4654, 6764, 6796.
Ali, S. 5733, 8584.
Alieva, M.I. 3574.
Alishah, A. 8555.
Ali, J.N. 2901, 6206.
Allan, S.A. 8593.
Allawi, T. 5460.
Allawi, T.F. 8733.
Allegucci, G. 4967, 9705.
Allen, A.A. 660, 4980.
Allen, D.C. 3718, 9380.
Allen, G.E. 8582.
Allen, J.C. 542.
Allen, R.S. 6819, 8410.
Allen, R.T. 8120.
Allen, W.A. 5225.
Allen, W.W. 2078.
Aller, P. 4894, 5308, 6413.
Alley, E.G. 2683.
Allis, C.D. 2499.
Allsopp, P.G. 3715, 6929.
Allyn, A.C. 5243.
Alma, P.J. 6294.
Almeida, A.A. 6979.
Alonso, G. 8873.
Alrouechdi, K. 5585.
Alstad, D.N. 9399.
Altenhofer, E. 5549, 5989.
Altieri, M.A. 3800, 4846.
Altmeuler, R. 2938.
Altner, H. 5274, 9183.
Altner, J. 8376.
Alvarado U., R. 9355.
Alvarenga, M. 785.
Alvarez, G. 6398.
Alverson, D.R. 2901.
Amabis, J.M. 6441.
Amaral, A.D. 2596.
Amargier, A. 7554.
Ambrose, J.T. 6984, 7679, 8569, 8785.
Ambrus, B. 4153.
Amendegnato, C. 9509.
Amin, A. 6259.
Amini, I. 7897.
Amitai, S. 8101.
Amlaner, C.J.Jr. 726.
Amman, D.G. 4956.
Amman, G.D. 1239, 3075.
Ammar, E.D. 1902, 6934.
Amoji, S.D. 2645.
Amon, T. 5276.
Amonkar, S.V. 4827.
Amorim 3037.
Amorim Neto, L.A. 3036.
Amos, A. 4870.
Amos, T.G. 576.
Amosova, I.S. 4948.
Amrine, J.W. 5033.
Anamosa, P.R. 1879.
Anan'ev, E.V. 999.
Anand, R.K. 4204, 5779, 8502.
Ananiev, E.V. 2138, 4018, 7125, 7150, 8462.
Ananthasubramanian, K.S. 4257.
Anasiewicz, A. 8041.
Andelkovic, M. 6442.
Andersen, N.M. 653, 5137.
Andersen, S.O. 6747, 7600.
Andersen, T. 4092.
Anderson, C.M. 1643.
Anderson, D.M. 8140.
Anderson, D.T. 1789, 4097.
Anderson, J.F. 3773, 7745, 9459.
Anderson, J.M. 4387, 5540.
Anderson, J.R. 1795, 2040, 2054, 7448, 9398.
Anderson, K.V. 2124, 7121.
Anderson, N.H. 2796, 4858, 7118.

- Anderson, R. 6472.
Anderson, R.C. 2072.
Anderson, R.J. 4456.
Anderson, R.K. 7064.
Anderson, R.L. 1778, 2122.
Anderson, R.M. 3965.
Anderson, R.S. 7117.
Anderson, R.V. 1913, 8657.
Anderson, S.M. 4934.
Anderson, W.W. 4592.
Andersson, G. 472, 2473.
Andersson, K. 4017.
Andjelkovic, M. 2191.
Ando, T. 978, 980.
Andrade, A.F.B. 6809.
Andre, H. 5690.
Andre, H.M. 1428, 5061, 5815.
Andreadis, T.G. 280, 7641, 8459.
Andrew, R.D. 3473.
Andrew, R.H. 8640.
Andrews, C.C. 5477.
Andrews, C.L. 7749.
Andrews, K.L. 7229, 8775.
Andrews, R.H. 3684, 8559.
Andries, J.C. 4542.
Androsow, G.K. 3574.
Andrusiak, E.W. 6065.
Angeles, E.R. 8633.
Angelini, A. 5970.
Angelini, F. 664.
Angelov, P. 5853.
Angerilli, N.P.D. 7613, 7922.
Angioy, A.M. 2523.
Angulo, A.O. 6602, 9034.
Anis, N.A. 9160.
Annala, E. 2089.
Ansari, M.A. 2064.
Ansari, M.H. 2698.
Anstee, J.H. 3509, 5302.
Anthony, D.W. 4499, 9267.
Anxolabehere, D. 2129, 4090, 6390, 6449.
Ao, H.-B. 4631.
Aoki, J.-i. 4150.
Aoki, K. 4370.
Aoki, Y. 7491.
Aono, N. 9126.
Apparao, K. 3971.
Appels, R. 4045, 5726, 7933, 8488.
Appignani, B. 8366.
Applebaum, S.W. 1828, 7623.
Applin, D.G. 9354.
Arai, S. 4319.
Arambourg, Y. 6999.
Arapova, L.I. 2736.
Arata, A.A. 7805, 7852.
Araujo, J.B.M. 3962.
Araujo, T.I. 346.
Arbesman, C. 9278.
Arbesman, C.E. 3597.
Arbogast, R.T. 189, 2872.
Archer, M.E. 4851, 6379, 9087.
Archer, T.L. 3960, 4546.
Arellano, A. 2820.
Arenas, E.C. 5656.
Arends, J.J. 1168.
Arens, M.F. 647.
Argandosa, V.H. 3808.
Argauer, R.J. 8482.
Argiro, V. 6759.
Argo, D. 797.
Arheiger, T. 6714.
Aries, F. 6401.
Arif, M. 8441.
Arikawa, K. 4370.
Arita, Y. 114, 6730.
Arking, R. 6123, 6124.
Arlan, L.G. 4678.
Armand, J. 5747.
Armbrust, E.J. 4492, 6262, 9533.
Armitage, D.M. 6365, 7008.
Armstrong, A.A. 1131.
Armstrong, E. 3577.
Armstrong, W.McD. 983.
Arn, H. 1702.
Arnaud, P.H., Jr. 4813, 8191.
Arnold, G. 9252, 9440.
Arnold, J.T. A. 4867.
Arnold, M.T. 6749.
Arnscheid, W. 6678.
Aronowitz, A. 4684.
Arora, G.L. 3619.
Arputhamani, M. 6227.
Arretz, V., P. 2079.
Arrigo, A.-P. 1300.
Arseniva, L.P. 4798.
Artemiev, M.M. 2367.
Arthur, A.P. 1703.
Artigas, J.N. 6602, 9034.
Arya, M. 8388.
Aryeetey, E.A. 2708.
Arzone, A. 5982, 9221.
Asahina, S. 2297.
Asakawa, Y. 4446.
Asakura, K. 3556.
Asano, S. 244, 1704, 2092, 4458.
Asayama, T. 3579.
Aschauer, H. 7482, 8414.
Ascher, K.R.S. 2678, 2884, 3598, 4685.
Ash, N. 5655.
Ashburner, M. 4898.
Ashcroft, F.M. 1612.
Ashdown, D. 2675.
Ash, P. 8323.
Ashley, T.R. 2839.
Ashok Kumar, C.T. 2076.
Askari, A. 8555.
Askew, R.R. 3836, 7230, 8079, 9759.
Aslam, Y. 7812.
Aslamkhan, M. 8523.
Aslanov, Kh.A. 2610.
Asman, M. 2032, 2054.
Asman, S.M. 631, 1046, 1285, 1323, 7622, 9362.
Asmussen, M. 4592.
Aspöck, H. 3404, 3405, 6686, 9105.
Aspöck, U. 3404, 3405, 6686, 9105.
Assem, M.A. 2100.
Atger, P. 1170.
Athias-Henriot, C. 1425, 5808.
Atiquddin, M. 8434.
Atkinson, D.S. 3431, 3978, 5971.
Atkinson, P.R. 4611.
Atsatt, P.R. 6265.
Attia, F.I. 1780, 2664, 6731.
Attia, R. 4371.
Atyeo, W.T. 7, 5757, 5810.
Aubert, J.F. 4268, 4269.
Aubin, A. 2246.
Aubry, J. 43, 3306, 4105.
Auclair, J.L. 600, 5314.
Audemard, H. 4842, 5708.
Audisio, P. 1457, 1458, 5104.
Auerbach, C. 2142, 4064, 8319.
Auerbach, M.J. 462, 8634.
Augsburger, C.K. 1953.
Aukema, B. 7983.
Auld, D.L. 8625.
Ault, S.K. 3010.
Aumann, G.D. 9497.
Austin, A.D. 7585.
Austin, G.T. 123.
Autrique, A. 3044.
Avasthi, R.K. 5151.
Aveling, C. 9277, 9627.
Averill, A.L. 5333.
Avery, R.J. 989.
Awadallah, A.M. 4654.
Awadallah, K.T. 1902.
Awasthi, V.B. 2629, 6831, 9168.
Axel, R. 1417.
Axtell, R.C. 1119, 7009.
Ayala, F.J. 2166, 4007, 6402, 7982.
Ayers, J.E. 1240.
Ayertey, J.N. 493, 7010, 7701.
Ayre, G.L. 1077.
Ayres, M.D. 9264.
Ayyar, K.S. 2728.
Aziz, S.A. 1023, 1565, 6895, 8530.
Azra, K. 4941, 8513.
Azurin, J.C. 503.
Ba-Angood, S.A. 4812, 5665, 5703, 6300, 6345, 8676, 8769.
Baath, E. 3114.
Babault, M. 5630, 7834.
Babcock, D.S. 5695.
Babin, L. 8714.
Babu, K.S. 3472, 5260.
Bacallado Aranaga, J.J. 9093.
Baccetti, B. 5961, 7645.
Bachli, G. 2955.
Bachman, W.W. 9445.
Bachmann, A.O. 5135.
Bachrach, U. 3536.
Bacon, J. 3476, 8378.
Badam, R. 6793.
Bader, C. 7247, 7253, 8100.
Badmijn, J.S. 6481.
Baddone, A. 2442, 5966.
Baehr, J.-C. 3671.
Baehr, M. 8346.
Baert, L. 1085, 1086, 1360, 3194, 6571.
Baert, L.L.A. 1166.
Baez, M. 3355, 6617.
Bagar, S. 1218.
Bagge, P. 7114.
Bahadur, J. 9191.
Bahrman, R. 2960, 7803.
Bajjal, H.N. 1464, 8504.
Bailey, B.K. 5328.
Bailey, C.L. 3250.
Bailey, D.L. 1542, 1550, 1562, 1910, 2039, 3426, 4834, 5643, 7825, 9329, 9339.
Bailey, J.C. 1152.
Bailey, L. 5367.
Bailey, P. 5693.
Bailey, W. 2822.
Bailey, W.J. 3702.
Bailiss, K.W. 4515.
Baimai, V. 1318, 1335, 7148, 7152, 8829.
Bains, S.S. 1978.
Bajan, C. 3586.
Bajtenov, M.S. 5094, 5852, 6573.
Bajusz, B.A. 5680.
Baker, B.S. 604.
Baker, C.R.B. 8650.
Baker, D. 9447.
Baker, J.A.F. 2666.
Baker, J.E. 7583, 7643, 9154.
Baker, J.T. 5233.
Baker, P.S. 6021, 6755.
Baker, R. 1872, 5332, 9229.
Baker, R.E. 7695.
Baker, R.H. 627, 4921, 4941, 7170, 8513, 8523, 8840, 8843, 8845, 9680.
Baker, R.L. 2005, 2483, 7835.
Baker, R.T. 2660.
Baker, T.C. 4452, 4587.
Baker, W.K. 1290.
Bakhetia, D.R.C. 9068.
Bakhtadze, G.I. 7638.
Bakhtvalov, S.A. 5364.
Bakke, A. 9239.
Bakonyi, G. 2825.
Bal, A. 2290.
Balakireva, M.D. 613, 3647.
Balakrishnan Nair, N. 9138.
Balakrishnan Nair, P. 1515.
Balaraman, K. 7063, 7844, 8454, 9554.
Balasubramanian, G. 2878.
Balasubramanian, M. 2713, 2797, 2843, 3778, 4829, 6135, 6347, 7023, 9326.
Balasubramanian, N.K. 4820.
Balazuc, J. 4106, 4107, 7188, 8148.
Balazy, S. 4489.
Balderrama, N. 3706, 5468.
Baldizzone, G. 115, 849, 1564, 2424, 3383, 3384, 3385.
Baldridge, R.S. 436, 1105.
Baldry, D.A.T. 7059.
Baldwin, K.F. 528.
Bale, J.S. 3560, 9429.
Balestieri, F.M.P. 6740.
Balfour-Browne, J. 1455.
Balinsky, B.I. 5754.
Balinsky, E.C. 4625.
Balint, Z. 2232.
Ball, B.V. 5367.
Ball, H.J. 3682.
Ball, J.C. 325, 3094, 5621.
Ballard, J.B. 481.
Balletto, E. 694, 6414.
Balogh, J. 1424, 4155, 6541, 8089.
Balogh, P. 1431.
Balough, P. 1432, 1433.

- Balsbaugh, E.U., Jr. 8066, 8067.
 Bambara, S.B. 6984.
 Ban, Y. 8686.
 Banaszak, J. 1503, 2937, 7916, 9129, 9657.
 Band, H.T. 3558.
 Band, R.N. 3558.
 Bandeira, A.G. 7007.
 Banerjee, R. 3274.
 Banerjee, R.S. 8836.
 Banerjee, T.C. 5525.
 Banescu, O. 9581.
 Bang, Y.H. 3840, 7049, 7062, 7805, 7852, 9544.
 Bangying, X. 1694.
 Banks, B.E.C. 6813.
 Banks, W.A. 3434, 6343, 9286.
 Bannon, G.A. 4392.
 Bansal, H.C. 2890.
 Bansal, R.K. 4138.
 Banti, R. 709.
 Banziger, H. 6969, 7216.
 Baqar, S. 1201.
 Bar-Guilloux, E. 3538.
 Bar-Zeev, M. 267.
 Bara, J.R. 7073, 7083.
 Barak, R. 6950.
 Baral, K. 8470.
 Baranovsky, V.I. 7094.
 Baranowski, R. 671, 2339, 7192.
 Baranowski, R.M. 7821.
 Baratov, Sh.B. 8916.
 Baraud, J. 789, 3321, 3322, 3324, 3329, 5863.
 Barbagallo, S. 571, 677, 9449.
 Barber, A.D. 6495.
 Barber, R.P.A. 1960.
 Barbero, J.L. 968.
 Barbier, R. 1733.
 Barbieri, J. 7104.
 Barbin, D. 494.
 Barbosa F., G.C. 1138.
 Barbosa, J.C. 1138, 3046.
 Barbosa, J.T. 3871.
 Barbosa, P. 7814.
 Barcelo, J.A. 4607.
 Barclay, H.J. 3097, 3865, 3976.
 Barclay, R.M.R. 6208.
 Bardinelli, T.R. 1935.
 Barend Ter Haar, M. 561.
 Barendregt, A. 675, 2492, 5004.
 Bareth, C. 1719, 5275.
 Barfield, C.S. 8582, 8771.
 Baritcheva, E.M. 625, 4039.
 Barker, A. 4757.
 Barker, D.M. 4470.
 Barker, J.F. 4757, 7530.
 Barker, J.S.F. 8673.
 Barker, R.J. 1915.
 Barker, R.W. 2852, 4795, 5278.
 Barker, S. 763.
 Barlet, J. 6735.
 Barlin, M.R. 7474, 9185.
 Barlow, C.A. 6163.
 Barlow, J.S. 959, 2584.
 Barlow, L.A. 5638.
 Barlow, N.D. 4742.
 Barlow, T. 5684.
 Barnard, B.J.H. 3023.
 Barnard, D.R. 3487, 9115.
 Barnard, P.C. 4304, 6688, 8016.
 Barnes, J.K. 79, 896, 1076.
 Barnett, D.E. 8237.
 Barnett, T. 2133, 8803.
 Barnett, W.W. 1558.
 Barney, R.J. 4492, 6262, 8934, 9533.
 Baroni Urbani, C. 5932.
 Baronio, P. 3761, 4674, 6161.
 Barr, D. 2512.
 Barr, T.C., Jr. 766.
 Barr, W.F. 5849.
 Barra, J.A. 4347.
 Barrer, P.M. 1061.
 Barrera, M. 5475.
 Barrera, R., R. 3901.
 Barrera, R., R. 8656.
 Barrett, F.M. 1606, 6747.
 Barrett, R.E. 4676.
 Barrington Leigh, J. 213.
 Barrio, A. 8481.
 Barrion, A.T. 4460.
 Barritt, B.H. 1936, 2904.
 Barro, T. 8722.
 Barrows, E.M. 3805, 8611.
 Barry, B.D. 8512.
 Barry, C. 4490.
 Barsky, I.Ya. 4030.
 Barsky, V.E. 7150.
 Bartell, D.P. 461, 3438.
 Barth, D. 2658.
 Bartholomae, P.G. 414.
 Bartholomew, G.A. 8417.
 Barthowska, K. 2240.
 Bartlett, A.C. 9711.
 Bartlett, C.M. 2072.
 Bartlett, P.W. 3187.
 Barton Browne, L. 1844, 7634.
 Barton, D.R. 2118.
 Barton, N.H. 1336.
 Bartsch, J. 2276, 4723, 7246.
 Basaca-Sevilla, V. 4788.
 Bashar, M.A. 5855.
 Bashkurov, V.N. 1295, 6395.
 Basilevsky, P. 1368, 5085, 7269.
 Basio, R.G. 355, 503.
 Basit, A. 1218.
 Bass, M.H. 1767.
 Bassalik-Chabielska, L. 9571.
 Bassols B., J. 8968.
 Bast, T.F. 1192.
 Bastos, E.K. 3889.
 Bastos, H.S. 4811.
 Basu Choudhuri, J.C. 7789.
 Batalova, F.M. 3450.
 Batista, G.C. 2679, 2681.
 Batra, R.C. 2094.
 Batra, S.W.T. 271, 390, 2608, 2928, 9610.
 Batten, R. 788.
 Bauab Vianna, M.J. 7258.
 Baudoin, R. 8949.
 Baudry, Partiaoglou, N. 4385.
 Bauer, A.C. 6034.
 Bauer, C.A. 7219.
 Bauermeister, C.D. 5003.
 Baum, J.W. 3644, 5416, 8853.
 Baumann, G. 5666.
 Baumann, M. 4062.
 Baumeister, T. 8389.
 Baumgaertner, J. 2947.
 Baumgaertner, J.U. 7795.
 Baumgarten, C. 2031.
 Baungaard, J. 2464, 7662.
 Baust, J.G. 9497.
 Bautista, R.C. 175.
 Bautz, A.-M. 7452.
 Bawa, K.S. 1142.
 Bay, D.E. 1626.
 Bayev, A.A., Jr. 2138.
 Baylac, M. 5599.
 Bayon, C. 2575, 6035, 6044, 6781, 6786.
 Bayoumi, B.M. 1421, 8098.
 Bazire-Benazet, M. 5348, 5349.
 Beach, R. 4578.
 Beacham, T.D. 6236.
 Beachell, V.T. 9295.
 Beadle, D.J. 5261.
 Beadles, M.L. 521.
 Beal, R. 5469.
 Beal, R.H. 1256, 3105.
 Beal, R.S., Jr. 9009.
 Beament, J. 7647.
 Bean, D.W. 6130.
 Bean, R.A. 3077, 5594.
 Beane, W.L. 8705.
 Beardmore, J.A. 2168, 5752.
 Beardsley, J.W. 9587.
 Beattie, A.J. 2889.
 Beattie, G.A.C. 1797.
 Beatty, J.A. 5790, 7218, 9756.
 Beaty, B.J. 7857.
 Beaulaton, J. 1596, 1690.
 Beauvais, F. 4842, 5326.
 Beaver, R.A. 1945.
 Beavers, J.B. 8736, 8743.
 Becerra Martell, C. 1931.
 Beck, A.K. 4873.
 Beck, L. 6219, 8426.
 Beck, M.L. 4962, 7952.
 Beck, S.D. 5426, 6130, 8955.
 Beckemeyer, E. 1840.
 Beckenbach, A. 9366.
 Beckendorf, S.K. 4876.
 Becker, B. 233.
 Becker, E.C. 51.
 Becker, G. 1656, 2091, 2725, 2726, 5780, 6371.
 Becker, V.O. 6671, 6680.
 Beckingham, K. 8805.
 Beckman, B.R. 4391.
 Bedard, W.D. 4814, 9231.
 Bedford, G.O. 1075.
 Bednarik, A.D. 730.
 Bedo, D.G. 4040.
 Beecham, J. 3269.
 Beegle, C.C. 301, 9265.
 Beenackers, A.M.T. 965, 1682, 3463.
 Beenackers, A.M.T. 3643.
 Beenackers, A.M.T. 4408, 6039, 6042, 6046, 6812, 6815.
 Beermann, W. 9667.
 Beerwinkle, K.R. 2044, 3417.
 Beevi, S.N. 1883.
 Beever, P.S. 1707, 2604, 4444.
 Begley, J.W. 6525.
 Begon, M. 4960, 9537.
 Begum, A. 8585.
 Behan, M. 5272.
 Behnel, H.J. 1309.
 Beier, J.C. 7851.
 Beier, M. 7264.
 Beig, D. 1830, 4050, 7526.
 Beiger, M. 666, 7187.
 Beirne, B.P. 8063.
 Beissmann, H. 7941.
 Bel'skaya, G.S. 1525.
 Belcheva, R. 4908.
 Belew, K. 7151.
 Beliava, E.S. 4883.
 Bell, A.E. 642, 2184, 5751, 8872.
 Bell, C.H. 1803, 6128, 6901, 8471.
 Bell, D.M. 3509.
 Bell, D.S. 6239.
 Bell, M.R. 3103.
 Bell, P.D. 1112, 6177, 7525.
 Bell, R.A. 8450.
 Bell, W.J. 4300, 4599, 7722, 8358.
 Bellamy, R. 4410.
 Belle, J. 202, 2439, 3406, 7396.
 Bellec, C. 2655, 6116.
 Belles, X. 1459, 7292.
 Bellonick, S. 5356.
 Belluck, D. 9447.
 Belluck, D.A. 6169.
 Belo, M. 487, 1022.
 Belokobyl'skiy, S.A. 95.
 Belote, J.M. 4924.
 Belov, V.V. 2476, 2482.
 Belton, P. 7222.
 Belyaeva, E.S. 625, 2148, 4039, 7146, 7147.
 Belyshev, B.F. 5776, 7995.
 Bembenek, H. 9089.
 Bernick, W.J. 3003.
 Ben-Dov, Y. 8344, 9383.
 Ben-Eliahu, M.N. 3553.
 Ben-Horin, A. 2001, 6952.
 Ben-Joseph, M. 3536.
 Ben-Porath, E. 8087.
 Ben-Yshai, Z. 8087.
 Ben-Ze'ev, I. 7561.
 Benach, J.L. 1192.
 Benze, G. 4898.
 Benedict, J.H. 9485.
 Benepal, P.S. 2452.
 Benes, K. 3371.
 Bengston, M. 3064, 7032.
 Bengston, S.-A. 7829.
 Bengtson, S.-A. 4092, 7801.
 Bengtsson, B.A. 1392.
 Benjamin, D.M. 1999, 6336, 8574, 9464.
 Benke, A.C. 3124.
 Benner, D.B. 8587.
 Benner, J. 6077.
 Bennet-Clark, H.C. 1607.
 Bennet, S.R. 9132.
 Bennett, A.F. 4626.
 Bennett, F.D. 3942.
 Bennett, G.F. 437, 6199.
 Bennett, L.N. 9342.
 Bennett, P.P. 3785.
 Bennett, G.S. 714.
 Bennett, S.R. 527.
 Benoit, P.L.G. 4720, 5065, 5066, 5759, 6557.
 Benshalom, G. 7467.
 Benson, D.J. 4000.

- Bentley, B.L. 3504.
 Bentley, S. 1946.
 Benton, A.H. 1932, 7405, 9414, 9497.
 Benyajiati, C. 7930.
 Benz, G. 1052, 4540, 6023, 7630, 8547, 9527.
 Berberet, R.C. 491.
 Berdan, R.C. 6002.
 Berdye, A. 2999.
 Berenbaum, M. 2563, 8483.
 Beresford-Jones, W.P. 7066.
 Berezin, I.V. 7541.
 Berg, B. 3114, 7019.
 Berg, G.N. 8641.
 Berg, R. 4054.
 Berger, A. 6913.
 Berger, E. 4931.
 Berger, L.A. 3402, 5946, 5947.
 Bergh, J.-E. 6751.
 Bergin, D. 2670.
 Berglund, B. 7212.
 Berio, E. 1520.
 Berisford, C.W. 3550, 8741, 9453, 9631.
 Berkett, L.P. 4754.
 Berlin, J. 1192.
 Berlinger, M.J. 6950.
 Berlocher, S.H. 7762.
 Bernard, G.D. 2546, 2547.
 Bernard, G.I. 8080.
 Bernard, J. 5265.
 Bernardi, G. 5952.
 Bernardova, H. 3086, 9624.
 Bernath, R.F. 7039.
 Bernays, E.A. 2885, 3657, 4378, 4404, 4522, 5292.
 Bernhardt, H.P. 880.
 Berninger, M. 1289.
 Bernini, F. 8967.
 Bernon, G. 7430.
 Bernstein, C. 641.
 Bernstein, R.A. 9526.
 Berreur-Bonnenfant, J. 2691.
 Berreur, P. 2691.
 Berridge, M.J. 6069.
 Berrios-Ortiz, A. 6539.
 Berry, C. 9575.
 Berry, E.C. 6102, 8746.
 Berry, I. 167, 168.
 Berry, J.G. 2019.
 Berry, R.E. 1134, 1146, 2876, 6376, 9615.
 Berryman, A.A. 2862.
 Berthelemy, C. 353, 2320.
 Berthold, G. 3449, 9216.
 Berti, N. 3315.
 Bertolani, R. 6382.
 Berube, D.E. 5606.
 Beshear, R.J. 6351.
 Bestmann, H.J. 979, 6051.
 Besuchet, C. 2328, 2329, 6588, 7297.
 Betta, P.G. 4401.
 Bettarini, F. 9226.
 Betz, J.T. 1414.
 Betzold, J.A. 9469.
 Beveridge, I. 8712.
 Bewley, G.C. 2158, 7979.
 Beyer, R. 2778.
 Bezuidenhout, J.D. 3904.
 Bgatov, A.V. 625, 7147.
 Bhalla, O.P. 3067, 8576.
 Bhan, P. 4547.
 Bhardwaj, S.C. 3142, 4819.
 Bhaskaran, G. 5435, 6166.
 Bhat, P.N. 2731, 4973.
 Bhat, P.P. 2731, 4575, 4973.
 Bhat, S. 3374, 6658.
 Bhateja, B.R. 3446.
 Bhatia, P. 3098.
 Bhatia, S.K. 8475.
 Bhatnagar, S. 4889.
 Bhattacharjee, R.K. 4220.
 Bhattacharya, A.K. 4036.
 Bhattacharya, D.K. 9067.
 Bhattacharya, T. 3274.
 Bhatti, J.S. 152, 1532, 4302.
 Bhawe, V.S. 2994.
 Bhola, R.K. 9171.
 Bhosale, A.S. 8636.
 Bhullar, J.S. 3067.
 Bianco, A.E. 3916.
 Bida, S.A. 3018.
 Bidlingmayer, W.L. 3011, 9411.
 Bieman, D.N. 9387.
 Biemont, C. 1812.
 Biere, J.M. 6967.
 Bieri, M. 6716.
 Bierl-Leonhardt, B.A. 4460, 6056.
 Biesiada, E. 2211, 9663, 9664.
 Biesinger, R. 2555.
 Biessels, H.W.A. 6046.
 Biessmann, H. 4006.
 Biezanko, C.M. 1415.
 Bigger, M. 7823.
 Biggin, R.J. 7592.
 Biggley, W.H. 4725.
 Biggs, D.B. 1141.
 Biggs, D.R. 3794.
 Biging, G.S. 7015.
 Bigler, F. 6246.
 Bignell, D.E. 1666, 4387, 5540.
 Biiasheva, Z.M. 4883.
 Bijlsma, R. 4965.
 Bikoi, J.D. 5530.
 Bilapate, G.G. 3731, 3874, 5610, 9532.
 Bilardo, A. 2298, 5096, 5855.
 Bilinski, S. 349, 8551.
 Billany, D.R. 3993.
 Billings, P.M. 4457.
 Bily, S. 1440, 5838, 8995.
 Bin, F. 9152.
 Binaghi, G. 2305.
 Binder, R.G. 1755.
 Bindra, O.S. 3059.
 Bingham, P.M. 3154.
 Bini, A. 709.
 Binninger, C.E. 3269.
 Binnington, K.C. 927, 8365.
 Binns, E.S. 4518.
 Binns, M.R. 885, 5237.
 Bintliffe, E.J.B. 5623.
 Birch, M.C. 2542, 7820.
 Bird, G.A. 7819, 7921.
 Bird, J. 4329, 8632.
 Birkenbeil, H. 7463.
 Birkett, N.L. 655, 657.
 Birks, H.J.B. 1977.
 Birks, P.R. 3816.
 Birley, M.H. 492.
 Bisabri-Ershadi, B. 4833.
 Bishop, A.L. 2086, 3082, 7793, 8653, 8689, 9620.
 Bishop, C.P. 9667.
 Bishop, D.H.L. 7857.
 Bishop, D.M. 2992, 8696, 8899.
 Bishop, J.A. 7942.
 Bishop, J.G. 9669.
 Bishop, J.O. 1301.
 Bishop, L.G. 2545.
 Bishop, P.M. 3434.
 Bisht, R.S. 7109.
 Bisoyi, S. 1838.
 Bist, B.S. 3959.
 Bistrom, O. 2319, 5110, 8907.
 Biswas, A.K. 2859.
 Biswas, B.R. 8585.
 Biswas, D.N. 5117, 7300.
 Bitran, E.A. 3962.
 Bitsch, J. 348, 5444.
 Bitterman, M.E. 3707.
 Bjorkroth, B. 4017.
 Bjostad, L.B. 4442, 4459, 5230, 6824, 7536.
 Black, B.C. 9667.
 Black, K. 4492.
 Blackman, G.G. 5382.
 Blackman, R. 9672.
 Blaha, K. 5381.
 Blahutia, A. 508.
 Blair, B.D. 7878.
 Blair, B.W. 2604.
 Blais, C. 207.
 Blakeney, E.W., Jr. 6025.
 Blakley, N. 1132.
 Blakley, N.R. 1028.
 Blanc, R. 2490.
 Blanchard, A. 866.
 Blancheteau, M. 6944.
 Blanquaert, J.-P. 7824.
 Bland, K.P. 117, 379, 5016.
 Blandin, P. 5074, 6196.
 Blaney, W.M. 6765, 8956, 9438.
 Blank, R.H. 3941, 6239.
 Blanke, R. 8976.
 Blass, D.H. 1331.
 Blat Beltran, F. 3231.
 Blau, W.S. 6277, 6946, 7705.
 Blaustein, L. 5473.
 Blennerhassett, M.G. 4343.
 Blest, A.D. 4372.
 Blickenstaff, C.C. 7764.
 Bickle, R.L. 4303.
 Bliss, P. 8662.
 Blochlinger, H. 5017.
 Block, G.D. 939.
 Block, W. 251, 2121, 2615, 4467, 4977, 5620.
 Blocker, H.D. 436, 7344, 7992.
 Blom, P.E. 4698.
 Blommers, L. 303, 530, 6107.
 Blomquist, G.J. 243, 247, 1670, 5539, 6004, 6005, 6749, 9200.
 Blood, P.R.B. 6221, 8653.
 Bloom, J.W. 8385.
 Blum, M.S. 275, 2628, 3675, 4476, 6091, 9302.
 Blumberg, D. 6971.
 Blume, R.R. 2929.
 Blumenthal, E.M. 500.
 Blythe, S.P. 2944.
 Boarer, C.D.H. 7858.
 Boatright, R.E. 2671.
 Boch, J. 2025.
 Boch, R. 258, 8785, 9643.
 Bocharova, E.V. 9307.
 Bock, I.R. 75, 1478, 2363.
 Bocktor, F.N. 3511.
 Bocktor, I.Z. 2580, 6037.
 Bodnaryk, R.P. 2517, 8538.
 Boesel, M.W. 1475.
 Boethel, D.J. 5695, 7614.
 Bogachev, A.V. 6505.
 Bogatko, W. 3204.
 Bogdanov, Yu.A. 4991.
 Bogdany, F.J. 9372.
 Bogenschütz, H. 1702, 7571.
 Boggs, C.L. 6966.
 Bognar, S. 6889.
 Bogs, D. 2657.
 Bohac, J. 4214.
 Bohm, G.-A. 9254.
 Bohn, G.W. 5572.
 Boike, A.H., Jr. 534, 7847.
 Boisvert, J.M. 5314.
 Boiteau, G. 1159, 6433.
 Boldridge, D.W. 4462.
 Boldt, P.E. 9725.
 Bolet, G. 2175.
 Boll, R. 9348.
 Bolland, F. 1390.
 Bolland, H.R. 2151, 4891, 5813.
 Bollenbacher, W.E. 1600, 2598, 3662, 4568.
 Boller, E.F. 5987, 7651, 7901.
 Bolton, B. 2405, 8250.
 Bolton, H.T. 4448.
 Bolz, J. 1866, 1867.
 Boman, A. 7130.
 Boman, H.G. 7130.
 Bomans, H.E. 787, 5101, 6585.
 Bonadona, P. 39, 4105, 5077, 8021.
 Bonaric, J.C. 3568.
 Bonaventura, C. 3541.
 Bonaventura, J. 3541.
 Bond, A.B. 9396.
 Bond, B.J. 7928.
 Bond, E.J. 575, 8734.
 Bond, K.G.M. 8013, 8049.
 Bongers, J. 422.
 Bonvicini Pagliai, A.M. 1045.
 Boo, K.S. 6016, 7469.
 Boomker, J. 1569, 9403.
 Boomsma, J.J. 1875.
 Boon, D.J. 4040.
 Boon van Ochssee, G.A. 7059.
 Boonstra, R. 6236.
 Boorman, J. 3922, 3929.
 Bork, K.S. 342.
 Borcan, I. 3042.
 Borda, P., M.R. 5483.
 Bordat, D. 2462.
 Borden, J.H. 1128, 4443, 7727.
 Bordon, A. 6594, 9028, 9029.
 Boreham, M.M. 8315.
 Boreham, P.F.L. 1213, 3913.
 Borg-Karlson, A.-K. 4455.
 Borg, T.K. 1718.
 Borgia, G. 6171, 6174.
 Borikar, S.T. 7091.

- Borkent, A. 7442.
 Borkovec, A.B. 337, 1798, 2739, 8525, 9330.
 Borkowska, M.J. 2459.
 Borland, S.A. 5227.
 Bornstein, S. 2042.
 Borovsky, D. 347, 4563.
 Borowiec, L. 41, 1367.
 Bose, B.N. 566.
 Bose, G. 2417.
 Bosler, E.M. 1192.
 Bosman, B.T. 1194.
 Bosmans, R. 1359, 5068, 5770, 5771, 8977.
 Bostanian, N.J. 2063, 2075, 9124.
 Boswell, T.E. 2872.
 Boszko, G.J. 1631.
 Botero, L. 998.
 Botham, R.P. 5261.
 Botosaneanu, L. 869.
 Bottiger, K. 583.
 Botto, E.N. 5223, 5311.
 Botzler, R.G. 448.
 Boucek, Z. 5925, 8247.
 Bouchalova, J. 7520.
 Boucias, D.G. 340.
 Boudou-Saltet, P. 2701.
 Boudreaux, H.B. 7614.
 Boulard, M. 820, 5149, 5909, 6643.
 Bouletreau, M. 9457.
 Bounias, M. 5299.
 Bourai, F. 629.
 Bourdoiseau, G. 2989, 5578, 7050.
 Bourdonne, J.-C. 3313.
 Bourdouxhe, L. 9432.
 Bourgeron, P. 4093.
 Bourgouin, C. 4512, 4816.
 Bourne, A.S. 8694.
 Bourne, J.D. 3286.
 Bourse, L.F. 7872.
 Bouseman, J.K. 7227.
 Bousquet, Y. 8669.
 Bouton, C.E. 5607.
 Boutonnier, A. 9761.
 Bowditch, J. 3890.
 Bowen, G.S. 9275.
 Bower, C.C. 3058.
 Bower, S.M. 8704.
 Bowers, M.D. 2823, 9437.
 Bowers, W.S. 2887.
 Bowley, C.R. 6128.
 Bowling, C.C. 425.
 Bowman, J.S. 5706.
 Bown, D.N. 3840, 7049, 7062, 7805, 7852, 9544.
 Bownes, M. 1852, 4066, 6167, 8494, 9315.
 Boyce, J.T. 5743.
 Boyd, J.B. 4013, 7960, 7963.
 Boyd, J.F. 1696.
 Boyett, J.M. 9450.
 Bozai, J. 2209.
 Bozhenko, V.F. 3590.
 Braasch, D. 807, 808, 1489, 2379, 5898, 5901, 5902, 5904, 5905, 5906, 6628, 6629, 7326.
 Brach, V. 899.
 Brack, C. 7973.
 Bracke, J.W. 4393.
 Brackley, F.E. 4699.
 Bradbeer, P.A. 1096.
 Bradfield, J.Y. 345.
 Bradfield, J.Y., IV. 1793.
 Bradford, B. 1935.
 Bradford, C.T. 7131.
 Bradford, E.S. 3188.
 Bradleigh Vinson, S. 3763.
 Bradley, B.P. 4955.
 Bradley, J.D. 731, 862.
 Bradley, J.R., Jr. 1159.
 Bradley, J.T. 8552.
 Bradley, J.W. 3817.
 Bradoo, B.L. 4166.
 Bradshaw, J.W.S. 8648.
 Bradt, P.T. 7917.
 Brady, A.R. 1435.
 Brady, J. 8956.
 Brady, T. 7151.
 Brady, U.E. 6791, 8741, 9631.
 Braekke, H.P. 8603.
 Brancucci, M. 4999, 5839, 7923.
 Brand, J.M. 974.
 Brand, P. 6566.
 Brandmayr, P. 2309, 3439, 7270.
 Brandmayr, T.Z. 3439, 7270.
 Brandt, D.C. 3111.
 Brandt, N.R. 3513.
 Branes, G.A. 2062.
 Branziter, G. 3510.
 Brantjes, N.B.M. 7752, 7771.
 Brantley, S.G. 5323.
 Brar, J.S. 6256.
 Brar, R.S. 1978.
 Bras-Hereng, F. 8460.
 Brattsten, L.B. 3533.
 Braune, H.J. 9318.
 Brauner, U. 9164.
 Braunitzer, G. 3495, 3524, 7480, 7481, 7482, 8414.
 Bray, D.J. 8320.
 Breaud, T.P. 6844.
 Breed, M. 5282.
 Breed, M.D. 3712, 7722.
 Breeden, G.C. 8705.
 Breer, H. 5983, 6757.
 Breev, K.A. 6893.
 Brehelin, M. 5286.
 Brennan, A. 7716, 8790.
 Brennan, J.M. 5814.
 Brennan, M.D. 3677.
 Brenner, R.J. 4523, 9125.
 Brestowsky, E. 6219.
 Bretherton, R.F. 659, 8009.
 Brethour, J.R. 6313.
 Brettell, H.H. 2787.
 Breuning, S. 775, 4192, 4195, 4196, 7272, 8122, 8123.
 Breward, J. 2626.
 Brewen, B. 4061.
 Brewer, F.D. 7734.
 Brewer, G.J. 3255.
 Brewer, J.W. 2864, 4706, 5567, 5571, 6244.
 Breznak, J.A. 1925.
 Brian, M.V. 5720, 7911.
 Bridges, C.R. 2559.
 Bridges, J.R. 5988.
 Bridges, R.G. 5388.
 Briegel, H. 3501.
 Briers, T. 7633.
 Briese, D.T. 1886, 1990, 2969, 3587, 6841, 8780.
 Briganti, L. 2202, 2203, 2204, 2205, 2206, 5874.
 Briggs, D.L. 374.
 Briggs, J. 477.
 Briggs, S.P. 5225.
 Bright, D.E. 8154.
 Brignoli, P.-M. 3288.
 Brignoli, P.M. 1429, 1437, 2278, 5070.
 Brignoli, P.M. 5071.
 Brignoli, P.M. 5819, 6558, 7256, 8108.
 Brimacombe, L.C. 3685, 4082, 5422.
 Brindle, A. 5120, 7306.
 Brines, M.L. 1869.
 Briolini, G. 3834.
 Briscoe, D.A. 4035.
 Brister, C.D. 4545, 7694.
 Britt, R. 2670.
 Brittain, J.E. 6949.
 Britten, R.J. 588, 1287.
 Britton, E.B. 7287.
 Brivio, C. 2491.
 Broadbent, A.B. 5781.
 Broadhead, E. 2441.
 Broadhead, E.C. 4789.
 Broadley, R.H. 5711, 8595.
 Broce, A.B. 3014, 3693.
 Brook, H.W. 954.
 Brock, R.L. 6464.
 Brockmann, H.J. 1087, 2782.
 Brodel, C.F. 1815, 9475.
 Brokken, E.S. 2658.
 Bronskill, J.F. 3683.
 Brooke, J.P. 7069.
 Brookes, H.M. 8948.
 Brooks, M.A. 7545, 8425.
 Brooks, S.J. 8929.
 Brorein, W.J., Jr. 1296.
 Brou, V.A., Jr. 6679.
 Brousse-Gaury, P. 1835, 8522.
 Brouwers, E.V.M. 3459.
 Brovko, L.Y. 277.
 Brovko, L.Yu. 3571.
 Brower, J.H. 1041, 3089, 4550, 5425, 6131, 8536.
 Brown, A.J. 3710.
 Brown, A.J.L. 7175.
 Brown, A.W.A. 4801.
 Brown, B.E. 5258.
 Brown, D. 739.
 Brown, D.D. 9291.
 Brown, E.D. 9374.
 Brown, E.E. 8507.
 Brown, F.M. 120, 2429.
 Brown, H.E. 3062.
 Brown, H.M. 1581.
 Brown, H.P. 5862.
 Brown, I.L. 4752.
 Brown, J. 3020, 7388.
 Brown, J.J. 6129.
 Brown, K.S., Jr. 4680, 5198.
 Brown, L. 8553.
 Brown, L.R. 3071.
 Brown, M.B. 1018.
 Brown, R.E. 2447.
 Brown, R.L. 6681, 8282.
 Brown, R.M. 3993.
 Brown, R.P. 4394, 4415.
 Brown, S.J. 2008, 2009.
 Brown, V.K. 6874.
 Brown, W.L., Jr. 6662.
 Brown, W.P. 642.
 Browne, L.E. 3554.
 Browne, S.M. 437.
 Browning, H.W. 9451.
 Browning, T.O. 7585.
 Brownlee, H. 3072.
 Broza, M. 6989.
 Bruce, M.J. 3528.
 Bruckner, D. 6436, 9715.
 Brugge, B. 383.
 Brugnoli, H.C. 1093.
 Brum-Zorrilla, N. 5736.
 Brummer-Korvenkontio, M. 3935.
 Brunelli, H.C., Jr. 3036, 3037, 3946.
 Bruns, D.A. 2112.
 Brushwein, J.R. 5387.
 Brust, R.A. 2640, 4771, 9357, 9520.
 Brusven, M.A. 1340, 4857.
 Brutlag, D. 587.
 Bruton, B.D. 7103.
 Bruzzi, Z.J. 1074.
 Bry, R.E. 2671.
 Bryan, G. 4584.
 Bryant, E.H. 6921, 8859, 8883.
 Bryant, P.J. 1328.
 Bryant, R.S. 7667.
 Bryant, S.H. 4954.
 Brzyski, R.G. 7128.
 Bubnova, T.V. 1979.
 Bucciarelli, J. 762, 1443, 5843.
 Buchan, P.B. 7458.
 Buchanan, G.A. 7032, 8791.
 Buchar, J. 8979.
 Buchholz, L. 1366.
 Buchler, E.R. 9374.
 Buchmann, S.L. 4643.
 Buchner, S. 7845, 8701.
 Buck, E. 6930.
 Buck, J. 6930.
 Buck, N.A. 550.
 Buckholz, R.H. 9162.
 Buckland, P.C. 7880.
 Buckley, P.A. 4951.
 Buckner, J.S. 4399, 4400.
 Buda, V. 6257.
 Budhraj, K. 6954.
 Budnik, M. 9321.
 Buei, K. 1836.
 Buelthoff, H. 4350.
 Bueno, O.C. 7526.
 Bues, R. 5428.
 Bughio, A.R. 6152.
 Buhring, M. 4461.
 Bull, C.M. 3684, 8559.
 Bull, D.L. 2082, 3048, 3628, 5669, 6098, 6344.
 Bulla, L.A. 3901.
 Bullard, B. 3620.
 Bulliere, D. 1791.
 Bullini, L. 6445.
 Bulmer, M.G. 1351.
 Bunce, M.A. 2454, 5498.
 Bungey, R.S. 3875.
 Buning, J. 2140, 3618.

- Buno, W. Jr. 7470, 7471.
 Bunt, W.D. 9379.
 Buntin, L.A. 4616.
 Bunting, S. 6799.
 Buonocore, V. 255.
 Burakova, O.V. 3724.
 Burakowski, B. 3206.
 Burbutis, P.P. 874.
 Burckhardt, D. 1084, 6649.
 Burgdorfer, W. 3927.
 Burge, P.S. 3924.
 Burger, J.F. 4699, 5488, 7112, 8201, 8936, 9398.
 Burger, T.L. 5704.
 Burges, R.J. 401.
 Burgess, L. 7726.
 Burgett, M. 2905.
 Burghardt, G. 979.
 Burgis, H. 9135.
 Buriff, C.R. 337.
 Buriro, S.N. 5648.
 Burke, J.J. 4308.
 Burke, R. 7695.
 Burkhard, D.R. 275.
 Burkhardt, D. 8376.
 Burkholder, W.E. 4453, 7511, 8554.
 Burla, H. 6421.
 Burleigh, J.G. 4830.
 Burmann, K. 8043, 9102, 9735, 9740.
 Burmesiter, E.-G. 8911.
 Burn, A.J. 5490.
 Burnet, B. 4944.
 Burnett, A.M. 8935.
 Burnett, D.E. 4837.
 Burnett, E.J. 4913.
 Burnett, P.A. 9270.
 Burns, M.D. 1609.
 Burnside, J. 1157.
 Burovina, I.V. 3512.
 Burrows, M. 230, 4359, 5257.
 Bursell, E. 1981.
 Burton, J. 8759.
 Burton, J.F. 8014.
 Burton, J.J.S. 2165.
 Burton, J.S. 5049.
 Burton, R.L. 9476.
 Buscarlet, L.A. 2619, 9247.
 Buschinger, A. 8038.
 Buschman, L. 1197, 3020.
 Buse, E. 1664.
 Bush, G.L. 9700.
 Bushrod, F.M. 7840.
 Busoli, A.C. 1138, 1241.
 Bussieras, J. 537.
 Bustin, M. 7149.
 Busvine, J.R. 7055.
 Buszko, J. 698.
 Butcher, C.F. 3869, 3894, 3984, 9251.
 Buthala, D.A. 4663.
 Butler, D.G. 6929.
 Butler, G.D. Jr. 511, 9458.
 Butler, J.F. 4448, 8711.
 Butler, L. 5033, 6525.
 Butt, M.A. 2667.
 Butter, N.S. 455.
 Butterfield, J. 9515.
 Butters, T.D. 4417, 4428.
 Butterworth, F.M. 1058, 4339.
 Buttery, R.G. 1706, 4441.
 Buttiker, W. 3918, 7052.
 Butts, R.A. 8596.
 Butz, A. 3494.
 Buys, C.M. 8361.
 Buzzzi, Z.J. 778, 779, 888, 894, 904.
 Byers, D. 5727.
 Byers, G.W. 6684, 7231.
 Byers, J.A. 3554.
 Byers, J.R. 2752.
 Bygrave, A.C. 4978.
 Bynum, E.D. Jr. 3960.
 Byron, E.R. 9526.
 Byron, P.A. 9526.
 Caabeiro, F.R. 1524.
 Cabanac, M. 1715.
 Cabrero, J. 2145.
 Caccone, A. 4967, 9705.
 Cade, W.H. 1856, 2932, 9694.
 Cagniant, H. 9356.
 Cai, L.-I. 6200.
 Cairns, S.C. 3847.
 Cais, L. 2851.
 Cajacob, A. 7845.
 Cajacob, A. 8701.
 Calabrese, D.M. 3185, 7994.
 Calambuca, E. 3084, 9145.
 Calcara, R. 2318.
 Caldara, R. 1447, 1449, 5854.
 Calderon, D.G.R. 432, 574.
 Caldwell, J.M. 4399, 4400.
 Caldwell, J.P. 3121.
 Caligari, P.D.S. 4076, 7976.
 Calilung, V.J. 87, 6529, 9384, 9406.
 Calisher, C.H. 5639, 9275.
 Calkins, C.O. 6077, 7417.
 Calkins, J. 4607.
 Callaini, G. 7645, 8990.
 Callan, E.M.C. 6486, 6973.
 Calle, J. 700, 1386, 1391, 3230.
 Calle, J.J. 5265, 9166.
 Callejo, C. 754.
 Callinan, A.P.L. 8654, 9565.
 Calloni, C. 2625, 6838.
 Caltagirone, L.E. 7869.
 Calvert, W.H. 6951.
 Calvez, B. 4425, 8548.
 Calvez, C. 1829.
 Camacho, J.P.M. 2145, 4907.
 Camarao, G.C. 399.
 Cambefort, Y. 3243, 6937.
 Camenzind, R. 4053.
 Camicias, A.L. 2669.
 Cameron, D.F. 8639.
 Cameron, E.A. 314.
 Cameron, H.D. 3319.
 Cameron, P.J. 3869, 3972, 3984.
 Camhi, J.M. 8366.
 Camicas, J.-L. 3936.
 Camicias, J.L. 8703.
 Cammaerts, M.-C. 2769.
 Cammaerts, M.C. 7528, 9250.
 Cammaerts, R. 2769.
 Campadelli, G. 2733, 3761, 3764, 4674.
 Campan, M. 6926.
 Campan, R. 4368.
 Campbell, A. 444, 2721.
 Campbell, C.C. 4787.
 Campbell, F.L. 7580.
 Campbell, J.B. 2846.
 Campbell, J.E. 8312.
 Campigella, J.J. 345.
 Campbell, J.M. 5870, 6595.
 Campbell, N.A. 180.
 Campbell, S. 8888.
 Campbell, W.V. 6283.
 Campiglia, S. 2596.
 Campion, D.G. 4449, 7092.
 Campobasso, G. 9725.
 Campos, T.B. 3962.
 Camps, F. 7514.
 Canard, M. 5585, 6341.
 Candy, D.J. 6024.
 Canepari, C. 781.
 Cangardel, H. 6896.
 Cannings, R.A. 2479, 4727.
 Cannings, S.G. 2479.
 Cannon, K.F. 5495.
 Cantelo, W.W. 8482.
 Canterbury, L.E. 920.
 Cantrell, B.K. 5826, 7741.
 Cantrell, M.A. 4864.
 Cantrill, C.C. 6902, 6908.
 Canzoneri, S. 3351, 3352, 6611, 9728.
 Capek, M. 8614.
 Capetti, E. 9581.
 Capinera, J.L. 883, 1879, 2970, 5520.
 Capurro, S.L.F. 5691.
 Car, M. 8699.
 Carabolante, A. 3046.
 Carballo, A.R. 2145.
 Carbonell, C.S. 5960, 7401.
 Carde, R.T. 352, 4436, 4452, 4587, 4588.
 Cardeville, P. 6534.
 Cardona, C. 7072.
 Cardoso, H. 4899.
 Carey, A.B. 442, 3928, 9745.
 Carey, D. 9264.
 Carey, M.G. 9745.
 Carfagna, M. 4932.
 Carl, K.P. 2804.
 Carlberg, U. 4619, 4638, 6210.
 Carles, J.P. 5676.
 Carley, J.G. 1208, 6331.
 Carlsen, J. 7484.
 Carlson, A.D. 2637, 3485.
 Carlson, D.A. 73, 2607, 2609, 2686, 4448, 7653.
 Carlson, D.C. 8151.
 Carlson, J.R. 1552, 7648.
 Carlson, R.B. 3756.
 Carlson, S.D. 925, 926.
 Carlson, J.B. 7872.
 Carlyle, T. 6077.
 Carlyle, T.C. 214.
 Carmean, D. 8615.
 Carne, P.B. 5865.
 Carnegie, A.J.M. 4733.
 Carner, G.R. 996, 5362.
 Carnevali, M.D.C. 2516.
 Carolin, V.M. 3859, 6287.
 Caron, D.M. 5544, 9638.
 Carpenter, A.J. 2897.
 Carpenter, E.J. 3504.
 Carpenter, F.M. 3295.
 Carpentieri, M. 8391.
 Carr, C.E. 1624.
 Carrillo, R. 1496.
 Carriou, M.-L. 3125.
 Carroll, C.R. 1939, 2057.
 Carroll, D.P. 6266.
 Carroll, F.A. 4462.
 Carroll, J.F. 1004, 9442.
 Carroll, S.C. 9623.
 Carson, H.L. 5885, 6441, 8894, 9669.
 Carstens, S. 9211.
 Carter, A. 3821.
 Carter, C.E. 1898.
 Carter, D.J. 2470, 9240.
 Carter, J.C.H. 2247.
 Carter, J.G.T. 4465.
 Carter, N. 1333.
 Caruelle, J.P. 1605.
 Carvalho, J.C. 3036, 3946.
 Carvalho, J.C.M. 4245, 4246, 5797, 5911, 5912, 8220, 8221, 8240.
 Carvalho, S. 494.
 Carver, M. 2255.
 Casabe, N. 9207.
 Casagrande, M.M. 129.
 Casagrande, R.A. 5697.
 Casale, A. 765, 2311, 4190, 5844.
 Casals, J. 4772.
 Casanueva, M.E. 8980.
 Case, J.F. 6917, 8449.
 Casey, T.M. 6801.
 Casida, J.E. 1668.
 Caspers, N. 582, 1275, 6606, 7312, 9051.
 Cassani, J.R. 5032.
 Cassidy, J.D. 8817.
 Cassidy, R.F. 4453.
 Cassier, P. 9156.
 Cassola, F. 48, 3201, 5091, 5092, 9006.
 Castagnoli, M. 8972.
 Castellari, P.L. 3974.
 Castellon Bermudez, E.G. 358.
 Castillo, J.C. 503.
 Castineiras, A. 434.
 Casto, S.D. 759.
 Castro, P.R.C. 1242.
 Castroville, P.J. 352, 4436, 4588.
 Cate, J.R. 6373.
 Cates, R.G. 9479.
 Catling, P.M. 8637.
 Caton, J.R. 2041.
 Cattaneo, G. 8391.
 Catton, W.T. 3478.
 Catts, E.P. 5517, 5626.
 Catzeffis, F. 7107.
 Caulon, J.H. 2499.
 Caussanel, C. 3567.
 Causse, R. 5577.
 Cava-Ruatt, M. 3534.
 Cavagnaro, J. 4885.
 Cavalloro, R. 459, 1858, 8453.
 Cavanaugh, D.C. 3427.
 Caveney, S. 4343, 6002.
 Cavicchi, S. 3764.
 Cawthorn, R.J. 2639.
 Cawthorne, J.H. 2977.
 Cazeaux, S. 7620.
 Cazorla Luque, B. 704.
 Cech, J.J., Jr. 3921.

- Cech,T.R. 1289.
 Celli,G. 3600, 3779.
 Centurier,C. 2025, 5484.
 Cepelak,J. 8614.
 Cernelc,S. 1210.
 Cerny,V. 1994, 4675, 7724.
 Cesaroni,D. 4967, 9705.
 Cestari,A.N. 3127.
 Chacko,M.J. 2809.
 Chadab,R. 2821, 8782.
 Chadd,J.D. 3218.
 Chadha,G.K. 6017.
 Chadov,B.F. 4905, 4906, 7956, 7959.
 Chadova,E.V. 7959.
 Chae,C.-B. 4885.
 Chagin,K.P. 298.
 Chakko,T.V. 6804.
 Chakrabarti,S. 3271, 6547, 8096, 9067.
 Chakravorty,S. 7605.
 Chalfant,R.B. 4336, 9622.
 Chalmers-Hunt,J.M. 3, 659, 8009.
 Chalmers,K. 9555, 9556, 9557.
 Chalmers,W.T. 1545.
 Chalumeau,F. 3323, 3326, 8152, 8341.
 Chamberlain,D. 4404.
 Chamberlain,D.J. 3657.
 Chamberlain,J.A. 9463.
 Chamberlain,W.F. 4324.
 Chambers,D.L. 7420.
 Chambers,G.K. 8888.
 Chambers,H.W. 2683.
 Chambers,P.L. 924.
 Chambille,I. 1621, 2527, 8362, 9165.
 Chambon,J.-P. 1090.
 Chambon,J.P. 5013.
 Chan,B.G. 1755.
 Chan,K.L. 2165.
 Chanas,A.C. 4772.
 Chand,N. 2034.
 Chandler,D.S. 2300.
 Chandler,L.D. 1228, 3729.
 Chandler,P. 6610, 8174.
 Chandler,P.J. 2366.
 Chandra,G. 5546, 7416.
 Chandra,J. 4670.
 Chandra,R. 7512.
 Chandrasas,R.K. 5378.
 Chandramohan,N. 6347.
 Chandrashekara,I. 6323.
 Chandrashekar,M.K. 3489.
 Chang,C.-H. 4631.
 Chang,C.K. 3520.
 Chang,E.S. 3528.
 Chang,M.S. 355.
 Chang Moh Seng 3930.
 Chang,P.M. 6021.
 Chang,R. 2675.
 Chang,S.-f. 3100.
 Chang,S.-m. 2811.
 Chang,S.-s. 479.
 Chang,S.C. 1798, 9330.
 Chang,V.C.S. 3081, 9605.
 Chang,W.F. 5217.
 Chang,Y.-w. 5111.
 Chaniotis,B.N. 447.
 Channa Bosavanna,G.P. 9431.
 Channabasavanna,G.P. 3636, 3732, 3826.
 Chant,D.A. 1426.
 Chantal,C. 1402, 2244, 8931.
 Chao,C.-m. 5131.
 Chapco,W. 3131, 4892, 6424, 6425.
 Chapin,J.B. 9746.
 Chaplin,S.J. 1982.
 Chapman,C.S. 4566.
 Chapman,M.D. 3925.
 Chapman,N.G. 3833.
 Chapman,R.A. 5683, 6099.
 Chapman,R.B. 1031, 1247, 1611, 1696, 6872.
 Chapman,R.F. 7174.
 Chappell,R.L. 5269.
 Chararas,C. 1957.
 Chari,N. 5325.
 Charleston,W.A.G. 9555, 9556, 9557.
 Charlesworth,B. 2196.
 Charlesworth,P. 4525.
 Charlet,M. 3669.
 Charlwood,J.D. 2048, 3720, 5509, 5580, 6923, 6925, 8602.
 Charmillot,P.J. 4313, 4842, 6305.
 Charnov,E.L. 4970.
 Charpentier,R. 1245.
 Chase,D. 2830.
 Chastel,C. 5653, 9262.
 Chateau,R. 2012.
 Chatterjee,R.N. 5732, 6418, 8819.
 Chatterji,S.M. 278, 1015, 2672, 3087.
 Chattopadhyay,S.C. 8835.
 Chaturvedi,H.K. 6117.
 Chaturvedi,R. 4889.
 Chaud-Netto,J. 1019, 2161, 9173.
 Chaudhary,J.P. 4819.
 Chaudhary,K.D. 2738, 6900.
 Chaudhry,H.S. 1033, 3639.
 Chaudhry,M. 627.
 Chaudhry,M.I. 3052, 3080.
 Chaudhry,S. 3150.
 Chaudhuri,P.K. 69, 4227, 8180.
 Chauvin,G. 1571, 5341, 8413.
 Chauvin,J.T. 1571.
 Chauvin,R. 6058.
 Chawla,S.S. 9204.
 Chazaud,J. 683.
 Chazaud,P. 682, 684, 685.
 Chazeau,J. 1347.
 Chebanova,N.E. 8332.
 Cheke,R.A. 5692, 7720, 9582.
 Chelebiev,K.A. 2283.
 Chelliah,R.V. 4786, 4945.
 Chellman,C.W. 8770.
 Chemsak,J.A. 773, 4193, 8125.
 Chen,A.C. 4402, 6168, 6882, 7939.
 Chen,C.N. 7885.
 Chen,H.-b. 5125.
 Chen,K.-c. 6200.
 Chen,N.-Q. 4779.
 Chen,P. 343.
 Chen,T.T. 3673, 9352.
 Chen,W. 4648.
 Chen,W.-b. 1551.
 Chen,W.-m. 4513.
 Chen,X.I. 479.
 Chen,Y.-I. 8057.
 Chen,Y.-p. 1551, 6150.
 Chenevert,R. 5424.
 Cheng,E.Y. 7509.
 Cheng,H. Y. 6057.
 Cheng,H.H. 2684.
 Cheng,L. 5508, 6384, 9718.
 Cheng,M.-L. 4936.
 Cheong,W.H. 2165.
 Cherix,D. 7107, 9420.
 Chernil,A.M. 8661.
 Chernysh,S.I. 8464.
 Chernyshev,A.I. 1295, 6395.
 Cherry,R.H. 2877.
 Chesky,J.A. 9328.
 Chesnokova,E.G. 3162, 9691.
 Chevallier,A. 6394.
 Chew,F.S. 2857, 2894, 3786.
 Chew,R.M. 3860, 9501.
 Chew,V. 525.
 Chhabra,K.S. 6256.
 Chhabra,S.C. 3278.
 Chhibber,N. 7604.
 Chhotani,O.B. 2414, 2415, 2417, 2418, 2419, 3101.
 Chi,C. 925, 926.
 Chiang,H.C. 4460, 7658, 7669, 7885, 8320, 9625.
 Chiang,H.S. 1140.
 Chiang,M.S. 1032.
 Chiba,M. 6346.
 Chiba,S. 963.
 Chieppa,M. 1834.
 Chikushi,H. 4015.
 Childers,C.C. 5059, 8730.
 Childs,C.N. 2561.
 Chiles,R.E. 239.
 Chintawi,M. 1750.
 Chin,T.S. 1180.
 Chin,T.s. 7833.
 Chin,W. 4787.
 Chinnici,J.P. 1342.
 Chino,H. 964, 6780, 6814, 7510.
 Chinzei,Y. 6814.
 Chippendale,G.M. 958, 2704, 3626, 4537, 4538, 6810.
 Chipperfield,H.E. 4703.
 Chiravanthanapong,S.-n. 2930.
 Chirila,M. 9581.
 Chisholm,M.D. 1703, 5328, 8431.
 Chiu,C.-H. 3688.
 Chladek,F. 2238.
 Chmeliauskaite,V.G. 2137, 2138, 4018.
 Chmiel,S.M. 1035, 1036.
 Chockalingam,S. 8403.
 Chong,L. 4443.
 Choniem,H.G. 5568.
 Choppe,P.R. 7091.
 Choppin de Janvry,E. 6261.
 Chopra,N.P. 7330, 8216, 8928.
 Choudhari,K.G. 2892.
 Choudhuri,D.K. 5525.
 Choudhury,J.H. 1070.
 Chovnick,A. 2149.
 Chow,Y.S. 2603.
 Chowdaiah,B.N. 8832.
 Chowdhuri,A.N. 6357.
 Chowdhuri,N.A. 2672.
 Chowdhury,S.H. 8390.
 Chowdhury,V. 5355.
 Christensen,B.M. 7546.
 Christensen,H.A. 447, 526.
 Christensen,J.B. 1186.
 Christenson,T.E. 1911, 4586, 9523.
 Christian,E. 9059.
 Chroscikowska,U. 6189.
 Chu,A.J. 243, 247, 1670.
 Chu,H.M. 7650.
 Chu,W.-H. 8455.
 Chu,Y.-i. 6224, 7047.
 Chubareva,L.A. 3358.
 Chujo,M. 2343.
 Chujo,M.T. 6224.
 Chukwuma,F.O. 7852.
 Chumakova,I.V. 8480.
 Chumchong,C. 1335, 7148.
 Chung,H.-c. 4479.
 Chunikhin,S.P. 1206, 1211, 2035.
 Chunina,L.M. 327, 1801.
 Chunram,S. 8132.
 Churata Masca,M.G.C. 7104.
 Churikov,N.A. 7150.
 Chvala,M. 7310.
 Ciampolini,M. 567.
 Cianchi,R. 6445.
 Cianiara,S. 2793, 3754, 8487.
 Cicchetti,R. 3143, 6426, 6453.
 Cicchino,A.C. 2254, 2472.
 Cicilykuty,A.K. 4820.
 Cicolani,B. 1179.
 Ciesielski,F. 7898.
 Ciociola,A.I. 7002.
 Cioffi,M. 9242.
 Cirio,U. 7884.
 Cladera,J.L. 7141.
 Claesson,R. 7663.
 Claflin,S.H. 9380.
 Clair,M. 5578.
 Clancy,K.M. 1999.
 Clark,A.F. 3477.
 Clark,J.K. 2755.
 Clark,J.V. 938, 8375.
 Clark,M.E. 9118.
 Clark,R.B. 2510, 9160.
 Clark,R.D. 4356.
 Clark,S.H. 2149.
 Clark,T.B. 285.
 Clark,W.C. 595.
 Clark,W.E. 5093, 8135, 8140.
 Clark,W.H. 4698.
 Clarke,B. 632, 7981.
 Clarke,C. 636, 3164.
 Clarke,C.A. 5744.
 Clarke,J.F.G. 5208.
 Clarke,J.L. 2010.
 Clarke,J.L.,III 5384.
 Clastrier,J. 3343.
 Clausen,P.J. 4237.
 Clausen,C. 2370.
 Claustre,J. 3000.
 Clayton,F.E. 7952.
 Clayton,T. 3692.
 Clearwater,J.R. 8757.
 Clement,E.M. 1625.
 Clement,J. L. 4079.
 Clement,S.L. 1186, 2659, 6185.

- Clements,A.N. 5258.
Clements,R.O. 3066, 4311, 4821.
Clemmons,G.P. 3601.
Clench,H.K. 5194, 5204, 5761.
Clermont-Rattner,E. 4877.
Cleveland,D.W. 4009.
Cleveland,T.C. 3611.
Clifford,C.M. 4152, 8099.
Clifford,C.W. 4391, 6145.
Clifford,H.F. 2483.
Clifford,K.H. 967.
Clift,A.D. 2096.
Clinch,P.G. 2067.
Cline,T.W. 8848.
Cloarec,A. 421, 2689.
Cloudsley-Thompson,J.L. 2259, 6931, 9553.
Cloutier,C. 7437, 9452.
Cloutier,L. 580.
Coates,T.W. 2607.
Coaton,W.G.H. 5026.
Coats,J.R. 1777, 9291.
Coats,S.A. 1777.
Cobb,F.W., Jr. 5681.
Cobben,R.H. 4249, 7987.
Cobolli Sbordoni,M. 4967, 9705.
Cobos,A. 5837.
Cochran,D.G. 4895, 4912, 5393.
Cochrane,B.J. 6411.
Cochrane,J. 2910.
Cockson,A. 1728.
Codreanu Balcescu,D. 6088.
Codreanu,R. 6088.
Coenen,F. 678.
Coenen-Stass,D. 2004.
Coffelt,J.A. 2763, 4597.
Coffey,D.L. 9629.
Coffman,W.P. 157, 901.
Cogan,B.H. 4231.
Cogley,T.P. 7448.
Cohen,A.C. 3493, 6826, 9246.
Cohen,C.F. 922.
Cohen,E. 1668, 6789, 9205.
Cohen,E.H. 4026.
Cohen,J.L. 9246.
Cohen,M.J. 4356, 6759.
Cohen,S.R. 2979.
Cohet,Y. 647, 6920.
Coiffait,H. 57, 2342, 3332, 5869, 6474.
Coillot,J.P. 5265.
Cokendolpher,J.C. 3290, 7259, 8985, 8986.
Cokl,A. 5276.
Colacicco,J.R. 8798.
Colbert,J.J. 1169.
Colbo,M.H. 3908, 5667, 6897, 8318.
Colborne,J. 9405.
Cole,A. 5365.
Cole,B.J. 4530, 5633, 9641, 9652.
Cole,C.L. 5668.
Cole,J.H. 6478.
Cole,R.A. 2895.
Coles,J.A. 6014.
Coles,R.B. 3572.
Colgan,P. 8885.
Coli,W.M. 7887.
Coll,J. 7514.
Collatz,K.-G. 8356.
Collatz,K.G. 9294.
Colless,D.H. 724, 1658, 4298.
Collet,T.S. 2766.
Collingwood,C.A. 6533.
Collins,A.M. 633, 2602, 6957.
Collins,C. 293.
Collins,J.D. 5508.
Collins,N. 1279.
Collins,N.A. 235.
Collins,N.C. 3832.
Collins,N.M. 6298.
Collins,W.E. 520, 2973, 4787, 6332, 7853.
Collison,C.H. 5558.
Collmann,G.L. 6206.
Collyer,E. 2090, 6460.
Conlonelli,E. 8134, 9725.
Colvard Jones,J. 9118.
Colwell,E.E. 9566.
Colwell,R.K. 8879.
Comeau,A. 9365.
Common,J.F.B. 8082.
Compte,A. 5023.
Conceicao,E.L. 4490.
Condra,C. 7037.
Conduita,V.L. 5960.
Cone,W.W. 9471.
Coney,C.C. 5037.
Connell,J.A. 2996.
Connell,T.D. 7423.
Connell,W.A. 1149, 2250.
Conner,W.E. 3704.
Connor,E.F. 1965.
Connors,N.A. 7128.
Consoil,R.A.G.B. 8571.
Constantin,C.A. 2897.
Constantinou,C. 229.
Contacos,P.G. 520, 7853.
Contarini,E. 668.
Conti,M. 1970.
Contreras,N. 4008, 8488.
Conway,J.R. 1864.
Cook,A.G. 7914.
Cook,B.J. 2511, 4348.
Cook,C. 8942.
Cook,E.F. 2119.
Cook,I.M. 6146, 8532.
Cook,J.L. 8833.
Cook,L.M. 1346.
Cook,R.M. 1926.
Cookson,L. 1094.
Cooling,D.A. 7998.
Coombs,C.W. 7576.
Coombs,M.E. 3728.
Coope,G.R. 725.
Cooper,J.F. 3521.
Cooper,K.W. 3743.
Cooper,M. 4635.
Cooper,S.F. 4922, 8844.
Cooper,W.J. 5456.
Cooter,J. 6466.
Cooter,R.J. 6021, 6755.
Cope,S.E. 5517.
Copeland,J. 3485.
Copeman,D.B. 8712.
Coppage,D.L. 212, 3453, 4344.
Coppedge,J.R. 1127, 3014, 3062, 3422.
Coppolino,F. 9422.
Corbet,P.S. 1079.
Corbet,S.A. 6255, 7647.
Corcega,A.V. 503.
Corces,V. 1293, 9672.
Corcoran,S.M. 6311.
Corcuera,L.J. 3808.
Cordingly,C.L. 4614, 5625, 8533, 8666.
Cordo,H.A. 9381.
Coremans-Pelseneer,J. 3591.
Cork,A. 2604.
Corkum,L.D. 6213.
Corley,C. 3914.
Corn,M.L. 9650.
Corneau,B. 3125.
Cornelius,M. 6163.
Corneo,G. 6402.
Corner,J. 6109.
Cornet,M. 1827, 2012, 5878, 9268.
Cornuet,J.-M. 6401, 9133.
Cornuet,J.M. 9647.
Corpuz-Ramos,L.A. 8, 2280.
Corradi,M.A.S. 2940.
Corrette,K.B. 7440.
Corsoro,S. 9629.
Cory,J. 8349.
Coscaren,S. 3592, 5130.
Cosens,D. 1634, 8837.
Costa,C. 5857, 8334.
Costa,J.M. 1567.
Costa,M. 5803.
Costa,R. 5752.
Costantino,R.F. 3855.
Coster,J.E. 9379.
Cote,W.A., III 3718.
Cotterman,S.G. 534.
Cottrell,C.B. 5949.
Coubie,P. 3673, 7124.
Couch,T.L. 8456.
Coudriet,D.L. 5572, 7903.
Coudron,T.A. 3528, 6795.
Couiloud,R. 3428, 8535.
Coulibaly,N. 2903.
Coulon,G. 5105, 5107.
Coulson,J.C. 9515.
Coulson,R.N. 1230, 7004, 9499.
Counce,S.J. 3623.
Couprie,B. 8714.
Courret,D. 6314, 6315, 6316, 6327, 6328, 6329, 6330.
Courtémarch,D.L. 1281.
Courtin,G.M. 370.
Courtney Smith,D. 7659.
Courtois,J.-E. 3538.
Coutin,R. 2779, 7307.
Coutsis,J.G. 6512.
Coutts,A. 9264.
Couvillon,P.A. 3707.
Covell,C.V., Jr. 2252, 8935.
Coville,R.E. 7668.
Cowan,C.F. 5196, 5201.
Cowden,R.L. 5699.
Cowell,B.C. 8788.
Cowell,J.K. 1313, 3138.
Cowley,R.J. 3049.
Cowling,D.E. 4943.
Cox,C.F. 8512.
Cox,J.M. 5152.
Cox,M.L. 9412.
Cox,N.R. 3735, 6239.
Crabbe,J.R. 6844.
Crabill,R.E., Jr. 9110, 9111.
Craig,D.A. 2827, 7442.
Craig,E.A. 1292, 7134.
Craig,G.B., Jr. 1191.
Craig,G.B., Jr. 8877.
Craig,R. 4094, 6456.
Crane,P.R. 4147.
Crans,W.J. 5644.
Cranshaw,W. 7814.
Cranston,P.S. 6477.
Cravera,C. 5997.
Credi,R. 1268.
Creed,E.R. 1351.
Creffley,J.W. 7418.
Creighton,C.S. 311, 1264, 2456.
Crema,R. 1045.
Creus,A. 3126.
Crigarick,A.A. 1154.
Crins,W.J. 7721.
Crisp,P. 2895.
Crispino,L. 7470.
Cristakou,H.D. 7171.
Cristescu,A. 2677.
Critchley,B.R. 7914.
Crites,J.L. 2651.
Crnjar,R. 4369.
Crocomo,W.B. 3951.
Croft,B.A. 1250, 6309.
Croft,S.L. 7557.
Croizier,G. 7554, 8461.
Cromartie,W.J. 5679.
Cromroy,H.L. 713.
Crook,P.G. 7750.
Crookshank,H.R. 3521.
Crookston,N.L. 8463.
Cropp,C.B. 1933.
Croset,H. 3625.
Cross,J.H. 4788, 4837.
Crosskey,R.W. 7316, 7317, 8721.
Crossley,A.C. 4384.
Crossley,D.A., Jr. 4315.
Crossley,R. 6480.
Crowder,L.A. 1012, 1763.
Crowley,P.H. 7017.
Crowson,R.A. 1785, 7993.
Crozier,A.J.G. 4532, 4539.
Crozier,R.H. 9715.
Crucitti,P. 8924.
Cruden,D.L. 8393.
Cruse,H. 1610, 1615, 3467, 3468.
Crute,I.R. 3775.
Cruz,D. 7865.
Csutak,J. 553.
Cudney,M.D. 1897.
Cuff,W.R. 3866.
Cugier,J.P. 3961.
Cugnoli,C. 933.
Cui,J.-Y. 3100.
Cuisance,D. 2989, 5578, 7050.
Cukier,M. 373.
Cull-Candy,S.G. 9161.
Culver,D.C. 2889.
Cumming,R.H. 662.
Cummins,M.R. 1287, 5731.
Cummins,J.N. 8776.
Cummins,K.W. 8608.
Cunningham,J.C. 4803.
Cunningham,P. 5478.
Cunningham,R.T. 9334.

- Cuny, R. 802.
 Cupp, E.W. 2116, 4523, 9125.
 Curcic, B.P.M. 4179.
 Curry, G.L. 6373.
 Curry, J.P. 2967.
 Curtis, A.T. 6168.
 Curtis, C.F. 1772, 4914, 7570, 8891.
 Curtis, D.J. 3890, 5618.
 Curtsinger, J.W. 643.
 Cushing, B.S. 4645.
 Cutillas-Barrios, C. 1427.
 Cutkomp, L.K. 7509.
 Cutler, B. 7001, 8107.
 Cwikla, P.S. 1500.
 Cybinski, D.H. 1208.
 Cymborowski, B. 1051, 2743, 4580.
 Cyprich, D. 7685.
 Cyrino, T.H.F.S. 6441.
 Czechowski, W. 2219, 2770, 2914, 9502, 9531.
 Czeczuga, B. 2595, 7502.
 Czoppelt, C. 2720.
 D'Almeida, R.F. 847.
 D'Arcy, C.J. 9270.
 d'Entremont, C.J. 2195.
 D'Offay, R.M. 7859.
 da Cruz Landim, C. 936, 1053, 17-31, 1786, 1830, 4050, 4574, 5719.
 da Fonseca, J.P. 3369.
 da Gama, M.M. 5119.
 da Rocha, A.D. 3046.
 da Silva Mattos, S.D. 4230.
 da Silva Passos, G.A., Jr. 7126.
 da Silveira Guedes, A. 4230.
 Dabek, A.J. 3780.
 Dabi, R.K. 2868.
 Daccordi, M. 780, 3314, 5088, 5089, 9003.
 Dad, N.K. 1006.
 Dadd, R.H. 1660, 1919, 3500, 6033, 9213.
 Daddow, K.N. 7056.
 Dadswell, M.J. 2247.
 Dafni, A. 7771.
 Dagan, D. 7467.
 Dahl, C. 4099.
 Dahlgren, G. 3198, 3299, 3320.
 Dahlman, D.L. 1811, 3523, 4386, 4506, 7516, 9454.
 Dahlsten, D.L. 1190, 2959, 6286.
 Dahmen, H.J. 367.
 Dahms, E.C. 3372.
 Dai, J.-d. 5418.
 Daiber, C.C. 408, 409.
 Dailey, D.C. 4264.
 Bailey, M.D. 2277, 2845, 7242.
 Pajoz, R. 4108, 4213, 5078, 6570.
 Bakki, M. 3411.
 Bale, L. 9315.
 Bale, P.S. 3070, 6375, 8750.
 Daley, D.L. 2531, 8366.
 dall'Asta, U. 5186.
 Dallai, R. 6120, 6417, 7645, 9030.
 Dallendorfer, A. 4073.
 Dallmann, S.H. 4397, 7484, 8428.
 Dalton, D.S. 5469.
 Dalton, T. 4396.
 Dalua, B.K. 8823.
 Daly, H.V. 5048.
 Daly, K. 7981.
 Dame, D.A. 1550, 1562, 2039, 2669, 3426, 5643.
 Damoiseau, R. 2302.
 Dance, K.W. 2113.
 Daneholt, B. 4016, 4017, 4473.
 Danford, N.D. 2168.
 Dang, K. 3927.
 Daniel, M. 1994, 4136, 4675, 7724.
 Daniels, G. 796.
 Danilevsky, M.L. 7273.
 Danthanarayana, W. 6976, 8617.
 Danzig, E.M. 1495, 9071, 9763.
 Daramola, A.M. 5415.
 Darchen, R. 2624.
 Dare, F.M. 9269.
 Darepat, P. 2777.
 Darge, P. 132.
 Darougar, S. 8727.
 Darrah, L.L. 3056.
 Darsie, R.F., Jr. 1865, 8492.
 Dartigues, D. 1576.
 Dartnall, A.J. 3997.
 Darvesh, S. 8558.
 Das, A.B. 5337.
 Das Gupta, B. 6072.
 Das, L.K. 1015, 2672.
 Das, P.K. 5377, 5378, 6859, 9554.
 Das, S. 5646.
 Das, S.K. 2386, 8229.
 Das, S.M. 7109.
 Das, Y.T. 8478.
 Dash, M.C. 4750.
 Dass, C.M.S. 4305, 4306, 6707.
 Daterman, G.E. 1252, 1253, 3781, 8941.
 Dathe, H.H. 3375, 8037.
 Datta, B. 5915.
 Datta, S. 2147, 8470.
 Daussin, G.L. 9010.
 Davey, K.G. 7530.
 Davey, R.B. 318, 319, 1196, 6438, 7646, 9563.
 Davich, T.B. 1556, 3635, 9340.
 David, B. 1212.
 David, C.T. 2554, 6927.
 David, J.-C. 1680.
 David, J.R. 647, 1672, 6920, 9457.
 David, P. 919.
 Davidson, D.W. 2921.
 Davidson, E.H. 588, 1287.
 Davidson, G. 306, 8472.
 Davidson, N. 2143, 3134, 4866, 7928.
 Davidson, R. 8069.
 Davidson, R.H. 5046.
 Davidson, R.L. 3856.
 Davidson, T.L. 1736.
 Davies, A.E. 8305.
 Davies, D.M. 6016.
 Davies, F.G. 4794.
 Davies, J.B. 8722.
 Davies, J.C. 3095.
 Davies, R.G. 6646.
 Davies, T.W. 4813.
 Davis, D.R. 5183, 9517.
 Davis, D.W. 6248.
 Davis, E.E. 5263, 6768.
 Davis, F.M. 8312, 8627, 9121, 9128.
 Davis, G.R.F. 1663, 6059, 8409.
 Davis, H. 6227.
 Davis, L.R., Jr. 8933.
 Davis, M.A. 3486, 5494, 8360.
 Davis, R. 471.
 Davis, R.L. 1683, 3535, 5727.
 Davydova, E.D. 8440.
 Dawczynski, H. 9244.
 Dawid, I.B. 6399, 6400.
 Dawkins, R. 2782.
 Dawood, M. 640.
 Dawson, J.R. 2460, 5404, 9322.
 Dawson, P.S. 628.
 Day, H.C. 1860.
 Day, J.F. 1932.
 Day, M.C. 5940.
 Day, T.H. 632, 4951.
 de Abreu Sacchetta, L. 5639.
 de Almeida, A.A. 8394.
 de Almeida, F.B. 6624.
 de Armas, L.F. 2295, 5832.
 de Barjac, H. 4512, 4816, 8714.
 de Batista, G.C. 635, 1017.
 de Bianchi, A.G. 3498, 3514, 6026.
 de Biase, L.M. 3084.
 de Boer, R. 2189, 3175, 6451.
 de Camargo, J.M.F. 1073.
 de Cristini, F. 2741, 7140.
 de Crouzel, I.S. 5223, 5246.
 de Deffis, M. 4796.
 de Eguileor, M. 2516, 7457.
 de Escudero, G.S. 5656.
 de Freina, J.J. 9092.
 de Gregorio, J.J.P. 8044.
 de Gregorio, R. 1121.
 de Jong, D.J. 7709.
 de Jong, R. 2430.
 de Klerk, C.A.; Giliomee, J.H. 9383.
 de Kort, C.A.D. 1682, 3459, 4408, 6812.
 de Kramer, J.J. 6771.
 de L'Argentier, S.M. 5510.
 de la Cruz, A.A. 6280.
 de la Cruz, J. 756.
 de la Hoz, E. 5455.
 de la Iglesia, F.A. 2716.
 de la Rosa, M.E. 4592.
 de la Serna de Esteban, C.J. 3570.
 de la Torre, C., S.L. 1516.
 de la Vega, R. 7068.
 de la Vega, R.L. 704.
 de la Vega Westendorp, R.L. 200.
 De Laever, E. 125.
 de Laever, E. 857, 2434, 9094.
 de Lajonquiere, Y. 6675.
 de Lello, E. 3903, 3917.
 de Leon, D. 517.
 de Licastro, S.A. 7492.
 de Little, D.W. 385.
 de Loof, A. 7601, 7633, 9353.
 de Lourdes C. Gomes, M. 9578.
 de Lucca, F.L. 7126.
 de Lucena, A.I.T. 2812.
 de Marmels, J. 6689.
 De Marmels, J. 7211.
 de Marmels, J. 8347.
 de Marzo, L. 231, 1665.
 De Matthaeis, E. 4967.
 de Matthaeis, E. 9705.
 de Meillon, B. 3344.
 de Melo Sene, F. 6441.
 de Miralles, D.A.B. 1974.
 De Moor, F.C. 3242.
 de Moraes, R.L.M.S. 1731.
 De, N. 5646.
 de Oliveira, B.L. 892, 897, 903, 914.
 de Oliveira Filho, A.M. 7861.
 de Ponti, O.M.B. 3804, 7101.
 de Reflye, P. 2903.
 de Reggi, M. 8509.
 de Remes Lenicov, A.M.M. 2393.
 de Rodriguez, A. 7895.
 de Rubenacker, M.C. 5656.
 de Saint-Georges-Grédet, D. 8708.
 de Santis, E.M. 2253.
 de Santis, L. 94, 1093, 2253, 3261, 5155.
 de Silva, M.L. 2253.
 de Souza, E.N. 8884.
 de Souza Lopes, O. 5639.
 de Tougoet, H. 7368, 8258.
 de Vasquez, A.M. 447.
 de Villalobos, L.C. 8326.
 de Villar, M.I.P. 7492.
 de Vos, V. 1569.
 de Vries, A. 1875.
 Deak, H.I. 3622.
 Deak, I.I. 1788.
 Dean, H.A. 9491.
 Dean, J.M. 8592.
 Dean, R.L. 4568.
 Dear, J.P. 2021, 7322.
 Dearing, S.C. 286.
 Dearn, J.M. 180, 1007, 8473.
 Deb, D.C. 7605.
 Deb-Mallick, S. 2154.
 DeBach, P. 748, 6971.
 DeBarr, G.L. 2661.
 Debec, A. 2501, 3452.
 DeBoer, J.I.E.A. 4065.
 Debouzie, D. 4084.
 Debry, J.M. 1181.
 Decazy, B. 8749.
 Dechambre, R.-P. 6575.
 Dechambre, R.P. 3327.
 Decharme, H. 3757.
 Decker, H. 1678.
 Dedet, J.P. 7542, 7543.
 Dedryver, C.A. 556.
 Deelman-Reinhold, C.L. 8975.
 Deeming, J.C. 2470, 4229, 7313, 8196.
 Deffeyes, K.S. 1869.
 DeFoe, D.L. 2122.

- DeGrandi, G.L. 5558.
Deguchi, K. 6284.
Deharveng, L. 61, 1465.
DeHayes, D.H. 8628.
Deibel, R. 1192.
Deitz, L.L. 3267.
Dejoux, C. 4784.
Dekkers, H.P.J.M. 2637.
del Bene, G. 9327, 9593.
del Busto, T. 9591.
del Carmen Casto, D. 2472.
del Carmen Castro, D. 5793.
del Moral, V.L. 5959.
del Solar, E. 1056.
del V. Ajmat, de Toledo, M. 5174.
del var Petersen, H. 3014, 3744.
del Vecchio, M.C. 6740.
Delachambre, J. 2747.
Delage Darchen, B. 2624.
Delbecque, J.P. 2747.
Delcomyn, F. 2531.
Delfino, G. 2625, 6838.
Dellacara, G. 2331.
Dellacasa, G. 2568.
Deloach, C.J. 9381.
DeLoach, J.R. 212, 260, 441.
DeLoach, J.R. 3525, 4344.
DeLoach, J.R. 4402.
DeLoach, J.R. 6783.
DeLoach, J.R. 6882, 7494.
Delobel, A. 3079.
DeLong, D.M. 819, 4253, 6642, 7342, 7343, 8235.
Delrio, G. 1858.
Delucchi, V. 7616, 7061.
Devly-Draskovits, A. 6609, 8184.
DeMars, C.J. 4814.
Dematteis, E.R. 147, 2239, 6695.
DeMichele, D.W. 6737.
DeMilo, A.B. 2739.
Demilo, A.B. 8525, 9330.
Demopoulos, N.A. 3646.
Dempster, J.P. 4713, 6240.
den Bieman, C.F.M. 7983.
den Boer-Daanje, W. 7983.
den Boer, J. 1878.
den Boer, M.H. 1878.
Den Boer, P.J. 1984.
den Boer, P.J. 7983.
den Hertog, F. 8794.
den Heyer, J. 7241, 8964, 8965.
den Hollander, J. 7926.
den Otter, C.J. 5272, 6249.
den Ouden, H. 2074.
Denell, R.E. 3132, 3133, 6393.
Denis, C. 182.
Denis, P. 8914.
Denlinger, D.L. 345, 1793, 5401.
Denna, D.W. 5567.
Dennhofer, L. 1314.
Dennis, D.S. 9388.
Dennis, E.S. 8488.
Denno, R.F. 3842, 4700, 5496, 5594.
Denotter, C.J. 3700.
Deol, G.S. 5552, 9635.
Deora, R.K. 8567.
DePew, L.J. 564.
Depree, E. 9393.
Deprees, D.J. 7014.
Derksen, J. 4016, 6418.
Derksen, J.W.M. 9148.
Derzonier, S. 1170.
DeRoth, L. 287, 2034.
Derr, J.A. 2799, 6194, 7816.
Derra, G. 9737.
Derzhavets, Yu.A. 134.
Descamps, M. 867, 1529, 9509.
Desch, C.E. 8093.
Deschka, G. 7370.
Descoins, C. 4312, 5326, 5970, 6052, 7514, 7522.
Desender, K. 8655.
Deshefy, G.S. 6657.
Deshevykh, N.D. 4487.
Deshpande, S.B. 4355, 6006.
Desiere, M. 4711, 7041.
Deslisle, G. 1405, 1406, 2251.
Deslongchamps, P. 4517.
Desmier de Chenon, R. 4809.
Dessart, P. 836, 837, 838, 2396, 2397, 2400, 2406, 2407, 2408, 5176, 6660, 6664.
Dessen, E.M.B. 584.
DeTar, J.E. 1558.
Dethier, M. 5770.
Dethier, V.G. 972, 5466.
Dettmer, K. 2621.
Deubel, V. 8703.
Deuth, D. 7722.
Deutscher, D. 3056.
Deuve, T. 2308, 3303, 4191, 4207, 5840, 8119.
Dev, S. 4547.
Dev, V. 4897.
Devanasan, S. 9272.
DeVaney, J.A. 2044, 2051, 3817.
Devi, S. 1648, 1649.
Devine, T.L. 6830.
Devitt, B.D. 9333.
Devjatjarova, S.W. 5364.
DeVoe, R.D. 2533.
DeVries, P.J. 5205.
Dew, H.E. 7677, 7906.
Dewar, A.M. 2855, 6261.
Deyrup, M. 9749.
DeZurik, J.M. 2158.
Dhaliwal, S.S. 2165.
Dhana, S.D. 286.
Dhanarajan, G. 4649.
Dhanda, V. 1401.
Dhandapani, N. 2713, 2797, 3778, 7023.
Dhankhar, B.S. 4687.
Dharma, T.R. 2745, 5394.
Dhawan, A.K. 1820, 1959, 9592.
Dhillon, D. 3619.
Dhillon, M.S. 6842.
Dhillon, S.S. 1582, 1586, 4287, 7990.
Dhingra, S. 310, 2663.
di Martino, E. 1237.
di Tomaso, M.V. 4899.
Diakonchuk, L.A. 9079.
Diakonoff, A. 2237, 6730, 7371, 7391.
Dial, P.F. 253.
Diaz de la Guardia, R. 4907.
Diaz, G. 7068.
Diaz, N.B. 94, 3765.
Dicke, E.B. 1753, 3074.
Dickinson, W.J. 4869, 4972.
Dickson, B. 3151.
Dickson, C.G.C. 122, 7376, 7378.
Dickson, M.H. 7075.
DiDomenico, B.J. 3135.
Dieckmann, L. 5851, 7189.
Diehl, P.A. 1712.
Dieng, P.L. 1827, 2012.
Dierl, W. 7385.
Dietz, A. 3675.
Diez, J.-L. 6413.
Diez, J.L. 4894, 5308.
Dignan, A. 5422.
Digoutte, J.P. 8703, 8713.
Dikeman, R.N. 6819, 8410.
Dilday, R.H. 8643.
Dill, L.M. 4861.
Dillard, C.R. 9267.
Diller, G. 2031.
Dimock, R.V., Jr. 7728.
Dinabandhuo, C.L. 8576.
Dinan, L.N. 8543.
Dindal, D.L. 2455.
Ding, J.-h. 5158.
Dingle, H. 1028, 1144, 6194.
Dingyi, W. 1694.
Dinkel, J. 6873.
Dioli, P. 676.
Dionisio, A. 3037.
Dionisio, M.H. 3232.
Diop, T. 6377.
Dipeolu, O.O. 9336.
Dippenaar-Schoeman, A.S. 4174, 4175.
Disney, R.H.L. 1482, 2364, 4673, 5128, 5888, 7315, 8000.
Dittrich, V. 1771, 3130, 7879.
Dix, M.E. 1964, 3989.
Dixon, A.F.G. 1333, 2745, 4650, 5394, 9472.
Dixon, G.M. 3968.
Dixon, W.N. 6049, 8581.
Dlussky, G.M. 8781.
Dmitrienko, V.K. 1005.
Doane, J.F. 5974.
Dobbelaere, D.A.E. 7858.
Doberski, J.W. 5611, 9260, 9261.
Dobrovojevic, K. 1900.
Dobroruka, L.J. 1535.
Dobson, R.M. 6143.
Dobson, T. 632.
Dodds, P.J. 5722.
Doell, G.S. 4349.
Doerksen, G.P. 6172.
Doganiar, M. 1512, 5179, 8070.
Dogra, G.S. 3067.
Dogue, S. 3313.
Doherty, F.G. 8767.
Doira, H. 4015, 5741, 9692.
Doisy, K.E. 9561.
Dolan, T.T. 3021.
Dolci, M. 9221.
Dolder, H. 2576.
Dolling, W.R. 5136.
Dolotovskaia, L.Z. 9690.
Dommange, J.-L. 8055.
Domrow, R. 757, 2274, 6544, 8092, 8094, 8095.
Donahue, J.P. 5185, 5796.
Donald, D.B. 7117.
Donatella, S. 3766.
Doncaster, C.P. 6306.
Dondale, C.D. 5825.
Donna, A. 4401.
Donnelly, M.A. 4700.
Donovan, B.J. 7020.
Doppelreiter, H. 1781, 7615.
Doran, B.H. 3817.
Dores, R.M. 4397, 7501.
Dorn, R. 1378, 3223.
Dorman-Kendig, K.A. 1341.
Doroz, J. 6871.
Dorrscheidt, G.J. 5353.
Dorsett, D.A. 1616.
dos Santos, B.B. 1257.
dos Santos, I. 3023.
dos Santos, N.D. 1585.
dos Santos, S.M.F. 5719.
Doshche, E. 4585.
Doskotch, R.W. 6057.
Doss, R.P. 415.
Doss, S.A. 4636.
Doube, B.M. 3907.
Doucet, J. 1370.
Dougherty, E.M. 282.
Douglas, J.A. 3829.
Douglas, J.M. 4662.
Douglas, M.M. 5758.
Dowes, P. 7425, 8920.
Dover, G. 4870.
Dowd, P.F. 5603.
Dowell, R.V. 1223, 7080, 7755, 8773, 9494.
Downe, A.E.R. 4407.
Downer, R.G.H. 1651, 6780, 9201.
Downey, J.C. 5243.
Downie, N.M. 7831.
Downs, T.D. 405.
Doyen, J.T. 4215, 5048, 6458.
Drake, S.R. 3966.
Draper, J. 3813.
Dray, F. 3671.
Dreisig, H. 4620, 5474, 5622.
Drescher, J. 5747.
Dresco, E. 1434.
Drew, M.E. 7617.
Drew, R.A.I. 8202.
Driggers, D.P. 1560, 1561.
Drioli, G. 2309, 9021.
Driver, C.H. 2084.
Driver, C.J.I. 1782.
Drooz, A.T. 2815, 4322.
Dropkin, J.A. 9639.
Droual, R. 2102, 9498.
Drouet, J. 3474.
Drudge, O.W. 3705.
Druk, A.Ya. 2285.
Drummond, R.O. 318, 319, 521, 6438.
Dry, J. 1204.
Duarte Rodrigues, P. 5141.
Dubash, C.J. 4921, 7170, 8840, 8843, 8845.
Dube, D.K. 8819.
Dube, J. 1907.

- Dubendorfer, A. 7138.
 Dubern, J. 6250.
 Dubey, A.N. 5659.
 DuBois, M.B. 2801.
 Dubrovskaya, V.V. 1975.
 Ducauze, C. 1957.
 Duchac, V. 1577, 8997.
 Dudash, A.V. 1689, 2579.
 Dudzinski, M.L. 3701.
 Duelli, P. 2907, 6264.
 Dufay, C. 4126.
 Duffels, J.P. 1502.
 Duffey, S.S. 1148.
 Duffield, R.M. 273, 2628, 3564.
 Dufour, C. 6717.
 Dugdale, J.S. 1518.
 Duhrkopf, R.E. 8882.
 Dujardin, F. 5956.
 Duke, E. 4935.
 Dulmaa, A. 5025.
 Duman, J.G. 5344.
 Dumas, B. 4839.
 Dumont, H.J. 1394, 1395, 1396, 1400.
 Dumser, J.B. 1054.
 Dunbier, M.W. 3785.
 Dunkelblum, E. 973, 3552.
 Dunkle, S.W. 7746.
 Dunlap, M.J. 9468.
 Dunlap Pianka, H.L. 5437.
 Dunn, G.A. 173, 3249, 7427.
 Dunn, J.A. 3775.
 Dunn, J.C. 2734, 3666.
 Dunphy, G.B. 1751, 3492.
 Dunsuir, P. 1296, 1307.
 Dunson, W.A. 6063.
 Dunwell, G.H. 1214, 1215, 1216.
 Durand, M. 8540.
 Duranton, J.-F. 2916.
 Durazo, A., III 3973.
 Durbaca, S. 2677.
 Durden, L.A. 7751.
 Duret, J.P. 1481.
 Dusbabek, F. 4136, 7724.
 Dusoge, K. 9661.
 Duthoit, J.-L. 7554.
 Dutky, S.R. 5240.
 Dutrieu, J. 6794, 7504, 9215.
 Dutt, N. 203, 344, 2859, 8668.
 Dutta, S.K. 1653.
 Duttagupta, A. 7943.
 Duval, J. 2013, 4781.
 Duve, H. 2587, 8364.
 Duy-Jacquemin, M.N. 2632.
 Dvorak, D.R. 6774.
 Dwivedi, Y.N. 3350, 4233, 4890.
 Dworakowska, I. 2390, 5145, 5920, 5921, 7339, 7340, 8231, 8232, 9069.
 Dwyer, K.A. 7128.
 Dwyer, L.A. 9200.
 Dybas, H.S. 7581, 9016.
 Dybas, L.K. 7581.
 Dyer, D.W. 5316.
 Dyer, E.D.A. 1136.
 Dyte, C.E. 2359.
 Dzhanokmen, K.A. 2494.
 Dzhabardze, L.A. 1030.
 Eads, C.O. 3071.
 Eakins, D.G. 3877.
 Earhart, D.R. 2872.
 Earle, B.A. 5743.
 Early, J.W. 1508.
 East, J. 2560.
 East, R. 3829, 3844, 3873, 3948, 3954.
 Eastlake Chew, A. 9501.
 Eastman, E. 651.
 Eastman, E.M. 592, 601.
 Easton, E.R. 9755.
 Eastop, V. 2902.
 Easwaramoorthy, S. 6227, 6369.
 Eaton, A.T. 5458, 5706.
 Eaton, J.L. 8310.
 Ebberts, B.C. 8611.
 Eberhard, W.G. 3432, 7680.
 Eberle, M.W. 4507.
 Ebermann, E. 5057, 8970.
 Ebert, W. 753.
 Eck, R. 5944, 9140.
 Eckenrode, C.J. 7075.
 Eckert, H. 2765, 3482.
 Eckert, M. 9254.
 Eckstrand, I.A. 4023, 5342, 5343.
 Eckweiler, W. 1382, 7383, 8283.
 Edelson, J.V. 9482.
 Edge, G. 3924.
 Ediz, S.H. 6059.
 Edman, J.D. 2688, 3910, 6724.
 Edmonds, J.W. 3736, 3923.
 Edmonds, R.L. 3722.
 Edmunds, G.F., Jr. 9061, 9399.
 Edrich, W. 4598.
 Edson, K.M. 6235.
 Edson, L.J. 873, 4457, 7004.
 Edstrom, J.-E. 4022, 4028, 4038.
 Edstrom, J.E. 7940.
 Edwards, A. 4357.
 Edwards, C.R. 7878.
 Edwards, E.D. 6729.
 Edwards, J.F. 9299.
 Edwards, J.S. 1623, 8477.
 Edwards, P.B. 5595, 6935.
 Edwards, P.J. 2865.
 Edwards, R. 1556.
 Edwards, T.D. 7009.
 Edwards, W.C. 299.
 Egami, N. 6153.
 Egelhaaf, A. 981.
 Eger, J.E., Jr. 816.
 Egger, E. 1243.
 Eggermann, W. 422.
 Eglin, W. 1361.
 Egorov, A.B. 8133.
 Eguchi, E. 4370.
 Egwuatu, R.I. 5336.
 Egyhazi, E. 602, 921.
 Ehara, S. 6552.
 Ehler, L.E. 4833.
 Ehrhardt, W. 8038.
 Ehrlich, P.R. 1354, 4752, 5048, 7382.
 Ehrman, L. 9713.
 Eibisch, H. 9254.
 Eichelberg, D. 5294.
 Eichhorn, O. 6234.
 Eichlin, T.D. 5036.
 Eickwort, G.C. 1059, 4161, 4672.
 Eide, R.N. 2041.
 Eidt, D.C. 9662.
 Eikenbary, Guenther, P. 4470.
 Eikenbary, R.D. 8325.
 Einarsson, R. 4503.
 Einhorn, J. 7514.
 Einyu, P. 5922.
 Eisen, J.S. 2544.
 Eisenbach, J. 3648, 5279.
 Eisenstein, E.M. 2535.
 Eisikowitch, D. 467, 3806.
 Eisner, T. 402, 3704, 9214.
 Ejezie, G.C. 8698.
 Ekis, G. 3312.
 Eklund, J. 3768.
 El-Abidin Salam, A.Z. 8870.
 El Amin, M. 6638.
 El-Badry, E.A. 5499.
 El-Bahravi, A. 6358.
 El-Banhawy, E.M. 7599.
 El Bihari, S. 3772.
 El Ettal, Z.M. 9280.
 El-Fakahany, E.E. 292.
 El-Gamil, F.M. 6207.
 El-Garhy, M.S. 6361.
 El-Gayar, F. 7777.
 El-Guindy, M.A. 6108.
 El-Hamaecy, A.H. 1220.
 El-Hemaesy, A.H. 2818, 3217.
 El-Heneidy, A.H. 8020.
 el Kammah, K.M. 4610.
 El-Keie, I.A. 7088.
 el Kouni, M. 4410.
 el Kouni, M.H. 5320.
 El-Metainy, A. 640.
 El-Minshawy, A.M. 5411.
 El-Rahman, A. 4654.
 El-Saedy, A.H.A. 6796.
 El Said, A. 2748.
 El-Sawaf, S.K. 6207.
 El-Sebae, A.H. 8474.
 El-Sherif, S. 6113.
 el Sinnary, K. 3916.
 El Tigani 6638.
 Elbagoury, M.E. 7255.
 Elden, T. 5524.
 Elder, H.Y. 2258.
 Elder, J.K. 1214, 1215, 1216.
 Elder, R.T. 1297.
 Elens, A. 9197.
 Elepfandt, A. 3469.
 Elger, B. 7920.
 Elger, M. 8446.
 Elgin, S.C.R. 4904.
 Eliot, J.N. 113.
 Eliyahu, M. 2884.
 Elizarov, Y.A. 930.
 Elkinton, J.S. 5559, 9510.
 Elliger, C.A. 1755.
 Ellington, C.P. 1619.
 Elliott, H.J. 385.
 Elliott, N. 7710.
 Elliott, N.B. 5717, 5761, 6201, 8586.
 Elliott, R.H. 3667, 9189.
 Elliott, S.A. 4984.
 Elliott, W. 3597, 9278.
 Elliott, W.M. 5600, 5682, 6263, 8586.
 Ellis, C.R. 1777, 5696, 5783, 6285.
 Ellis, D.S. 3007.
 Ellis, E.A. 6083.
 Ellis, P.E. 3685, 5422.
 Ellis, P.R. 2895.
 Ellis, T.J. 3785.
 Elmes, G.W. 9421, 9651.
 Elnagar, S. 5371, 6259.
 Elofsson, R. 8371.
 Elouard, J. M. 5725.
 Elsen, P. 1920, 1921, 6970.
 Elsey, K.D. 9489.
 Elshafie, M. 10.
 Elson-Harris, M.M. 8719.
 Elson, M.M. 184.
 Eluwa, M.C. 4652.
 Emanuelsson, H. 1597.
 Emberson, R.M. 2705, 6462, 7700.
 Emel'yanov, A.F. 8088.
 Emelianova, O.Yu. 1698.
 Emerson, K.C. 5209, 6683.
 Emmerich, H. 7639.
 Emmerson, F.R. 1214, 1215, 1216.
 Emmet, A.M. 661, 4988, 6217.
 Emmett, B.J. 5991, 7030.
 Emmrich, R. 2389.
 Emori, T. 6104.
 Emura, K. 7904.
 Enda, N. 2829.
 Endo, A. 4668.
 Endo, Y. 995, 2649, 7569.
 Endow, S. 5726.
 Endrodi, S. 1461, 4205, 4208, 8153.
 Engebretson, J.A. 5300.
 Engelman, F. 6907.
 Engelmann, F. 5290.
 Engels, W.R. 648, 2177, 4054.
 Enghofer, E. 4411.
 Engenho, H. 1537, 1538, 6509.
 Engler, J. 5628.
 Engler, S. 9579.
 English, L.M. 9561.
 Engroff, B.W. 1135.
 Engstrom, L.E. 4392.
 Enslee, E.C. 7589.
 Entin, L.I. 2788.
 Entwistle, P.F. 3938.
 Epler, J.L. 4061.
 Eppenberger, H.M. 4473.
 Epplen, J.T. 1305.
 Erber, J. 6010.
 Erdman, H.E. 9540.
 Ergashev, N.E. 4730, 6273.
 Ericsson, A. 6988.
 Eriksson, E.S. 1638.
 Erlanger, B.F. 592, 601.
 Erman, D.C. 1278.
 Ermolaev, V.P. 6659.
 Eroles, D. 570.
 Ershova, A.S. 4740.
 Ertlova, E. 1274.
 Erwin, T.L. 8118, 8121, 8688.
 Erzincliglu, Y.Z. 5985, 6214.
 Es'kov, K.Yu. 5821, 8652.
 Esbjerg, P. 5984.
 Escaffre, H. 3606, 6095.
 Esch, H. 2536.
 Esenther, G.R. 1256.
 Eshghy, N. 7573, 7867.

- Eskafi, F.M. 2453.
- Eskov, K.Yu. 2291.
- Esmaili, M. 8020.
- Espanol, F. 5875.
- Esparza, J. 998.
- Espinell, R. 5981.
- Esponda, P. 208, 1598, 8806.
- Essaan, R. 8045.
- Essayan, R. 681, 2230.
- Estelle, M.A. 595.
- Estes, J.R. 7772.
- Estes, S.A. 4678.
- Estesen, B. 550.
- Estevez, A.L. 8337.
- Eston, V.R. 584.
- Ethier, D.B. 6904.
- Etienne, J. 3031.
- Eto, M. 9289.
- Ettershank, G. 7014.
- Etzel, L. 4526, 8020.
- Evans, D.A. 3007.
- Evans, D.E. 5339.
- Evans, E.W. 2789, 5615.
- Evans, G. 740.
- Evans, H.E. 4273, 4644, 7706, 8252.
- Evans, H.F. 5373.
- Evans, M.E.G. 8896.
- Evans, P.D. 6756.
- Evans, P.E. 9463.
- Evans, P.H. 275, 6040.
- Evans, P.W.C. 576.
- Evans, W.G. 932.
- Evans, W.S. 2047.
- Evenhuis, H.H. 2402, 3212.
- Evenhuis, N.L. 4221, 4222.
- Evequoz, V. 1630.
- Everett, A.L. 6324.
- Evers, R.H.J. 3053.
- Evershed, R.P. 4314, 7528, 9250.
- Everson, B.C. 7964.
- Everson, P.R. 7964, 9283.
- Everton, I.J. 2620.
- Everts, J. 7059.
- Eves, J.D. 2670.
- Ewen, A.B. 3593.
- EWig, J.D., Jr. 579.
- Ewing, A.A. 7864.
- Exley, E.M. 7032, 7354.
- Exposito Hermosa, A. 693, 910, 1381, 9722.
- Eying, C. 1694.
- Ezeilo, W. 2897.
- Ezike, V. 7049, 7062.
- Ezike, V.I. 7852.
- Fabio, T. 707.
- Fabiya, A. 7067.
- Fabiya, J.P. 4773, 8725.
- Fabres, G. 7011, 9611.
- Faccini, E. 5997.
- Faccini, J.L.H. 7.
- Fadeev, V.M. 8296.
- Faith, S.H. 418, 1965.
- Fagan, R. 3036, 3037, 3946.
- Fahey, T.M. 6423.
- Fain, A. 755, 758, 1420, 1423, 2272, 2273, 2279, 3273, 4151, 5050, 5051, 5052, 5053, 5060, 5804, 5812, 6542, 6544, 6545, 7250, 8097.
- Fain, M.J. 4531.
- Fairbairn, J.W. 2893.
- Fairchild, G.B. 2375, 7223.
- Faith, D.P. 8632.
- Fajardo, V. 7608.
- Fajdysh, E.A. 2774.
- Fal'kovich, N.G. 8452.
- Falcon, L.A. 5361.
- Fales, H.M. 271, 3511, 4476.
- Falk, D.R. 4065, 4410, 6422.
- Falk, R. 2551.
- Falkenthal, S. 4033.
- Fallil, F. 7717, 7723.
- Fanara, D.M. 7861.
- Fancher, L.J. 1000.
- Fang, T.-I. 5521.
- Fanta, J. 8699.
- Faragalla, A.A. 6102, 8746.
- Faragher, R.A. 7697.
- Faran, M.E. 2356, 3250.
- Fargerlund, J. 3637, 6056.
- Fargo, W.S. 1230, 7004, 9499.
- Fargues, J. 3961, 9273.
- Farinets, S.I. 190.
- Farkas, W.R. 7133.
- Farley, R.D. 1628, 3872.
- Farmer, N. 7085.
- Farmery, M.J. 6997.
- Farnesi, R.M. 9152.
- Farr, D.V. 5977.
- Farrell, G.S. 406.
- Farrell, J., Jr. 4876.
- Farrell, J.A.K. 3809.
- Farrier, M.H. 3719.
- Farris, S.H. 1817.
- Farrow, R.A. 4298.
- Fashioning, N.J. 8969.
- Fassliotis, G. 1264.
- Fathpour, H. 3509, 5302.
- Fatland, C.L. 6005.
- Fattah, K.M.A. 1012.
- Faulkenberry, G.D. 6985.
- Fauran, P. 6604.
- Fauron, C.M.-R. 2132.
- Fauron, C.M.R. 7929.
- Faustini, D. 9689.
- Fausto-Sterling, A. 9316.
- Faux, A.F. 1691.
- Fawcett, A.A. 8700.
- Fawcett, R.H. 9649.
- Faye, I. 4431.
- Fazekas, I. 136, 2208, 2233.
- Fedde, V.H. 2661, 9202.
- Federici, B.A. 2978, 5645, 7411.
- Fedorenko, I.A. 1525.
- Feeley, S.M. 4968.
- Feeny, P. 4686, 8483.
- Fegent, J.C. 4078.
- Feiertag-Koppen, C.C.M. 6409.
- Feigen, M.I. 2592.
- Feinsod, F.M. 4573, 6165, 6906.
- Feir, D. 2729.
- Fekete, E. 1040, 7156, 8490.
- Feldlaufer, M.F. 4507.
- Feldman, M.W. 643.
- Feldman-Muhsam, B. 3536, 6545.
- Feldmann, A.M. 8526.
- Feliciangeli, M.D. 722.
- Fell, R.D. 7678.
- Fellin, D.G. 6278, 6296, 7035.
- Fenmore, P.G. 6254, 8751.
- Feng, W.C. 3927.
- Feng, X.-c. 7567.
- Feng, X.-x. 3100.
- Feng, Y. 4604.
- Fennah, R.G. 6644, 6645.
- Ferguson, A.W. 4474, 5718.
- Ferguson, D.C. 119, 856.
- Ferguson, K.J. 2977.
- Fergusson, N.D.M. 5937.
- Ferkovich, S. 1043.
- Fernald, G.P. 7112.
- Fernandes, A. 3564.
- Fernandez-Garcia, C. 238.
- Fernandez-Garcia, G.B. 175.
- Fernando, C.H. 1282.
- Fernando, M.H.J.P. 9543.
- Feron, M. 5577.
- Ferran, A. 1111, 2619, 9247.
- Ferrari, P. 4618.
- Ferrara, L. 2056, 5998.
- Ferrari, J.A. 9708.
- Ferrari, R. 9601.
- Ferreira, C. 2585, 3498, 3514, 6026, 8392.
- Ferreira, E. 6710.
- Ferrell, R.E. 4936, 8855.
- Ferrero, E. 7270.
- Ferrier, M.D. 237.
- Ferris, C.D. 4283, 5193.
- Ferro, D.N. 1031, 4439, 7700, 9473.
- Ferro, G. 54, 2323, 6498.
- Ferrucci, L. 1315, 7947.
- Ferwerda, M.A. 622, 2151.
- Fet, V.Ya. 20.
- Fetter-Lasko, J. 5645.
- Fevrier, J. 2989, 7050.
- Feyerisen, R. 5430, 8316.
- Fiandt, J.T. 1778.
- Fibiger, M. 3220.
- Fidalgo, A.P. 2403.
- Field, L.H. 1095, 6078, 6775.
- Fielding, K. 2509.
- Fielding, P.J. 6829.
- Fields, J.E. 7622.
- Figler, M.H. 7695.
- Filatova, L.D. 8158.
- Filho, M.L. 3871.
- Filho, W.G. 7126.
- Filimonov, P.M. 2774.
- Filippich, C. 1208.
- Filippova, N.Yu. 7541.
- Filka, M.E. 3440.
- Finch, S. 1129, 5614.
- Fincher, G.T. 3417.
- Findly, R.C. 7135.
- Finke, C. 2635, 8566.
- Finkelstein, J.L. 5784.
- Finlayson, L.H. 7656.
- Finlayson, T. 6972.
- Finn, A.F., Jr. 5256.
- Finn, P.L. 5034.
- Finnamore, A.T. 103.
- Finnegan, R.J. 3091.
- Finerty, V. 4071.
- Finney, J.R. 4496.
- Fiori, B.J. 5226.
- Firling, C.E. 2498.
- Fischbach, K.F. 6432.
- Fischer, J. 4926, 4927.
- Fischer, K. 8038.
- Fischer, M. 1506, 7352, 8244, 9078.
- Fischer, R.L. 5486.
- Fischer, S.-C. 8992.
- Fischer, S.C. 8961.
- Fish, R.H. 3554.
- Fisher, J.R. 172.
- Fisher, R.W. 8768.
- Fisher, T.H. 2683.
- Fisher, T.W. 3915.
- Fisher, W.F. 6324.
- Fishpool, L.D.C. 5692.
- Fisk, J. 2867.
- Fitt, G.P. 8081, 8433, 9419.
- Fittkau, E.J. 5795.
- Fitton, M.G. 4986.
- Fitz Earle, M. 8834.
- Fitzgerald, T.D. 4609.
- Fitzpatrick, G.E. 1223, 9631.
- Fitzpatrick, L.C. 4000.
- Fjellberg, A. 2345.
- Fjellberg, A. 6536.
- Flaherty, D.L. 2662.
- Flak, P. 4590.
- Flasarova, M. 3241.
- Flavell, A.J. 4882.
- Flechtmann, C.H.W. 2838, 7087.
- Fleming, D.A. 2732.
- Fletcher, B.S. 7780, 9172.
- Fletcher, D.J.C. 9302.
- Fletcher, D.S. 737, 856.
- Fletcher, H.L. 615.
- Fletcher, M.J. 1789, 6647.
- Fleuriet, A. 2190.
- Flint, H.M. 9338, 9368, 9465.
- Flint, O.S., Jr. 6940.
- Floriani, G.C. 695.
- Florin, J. 1398.
- Flowers, R.W. 80, 6627.
- Floyd, M. 7841.
- Focarile, A. 765, 6500.
- Focks, D.A. 2669, 5535, 8308, 8683, 8707, 9329.
- Foehse, M.C. 6352, 9561.
- Foelix, R.F. 218, 2524.
- Foerster, L.A. 432, 574, 2002, 3068.
- Fogal, W.H. 5321, 7100.
- Fogato, W. 1444.
- Fogleman, J.C. 5463, 6307.
- Foley, D.H. 8531.
- Foltz, J.L. 1230, 8598.
- Font-Bustos, J.M. 323, 357, 1025.
- Fontaine, R.E. 2010, 2046.
- Fontana, F. 4091.
- Fontdevila, A. 8873.
- Fontdevila, Z. 6398.
- Foote, B.A. 376, 5789, 9382.
- Foote, R.A. 2454, 5498.
- Foote, R.H. 3361, 9057.
- Foot, W.H. 5682.
- Foraste, M. 1857, 3689.
- Forbes, C. 4068.
- Forbes, J. 947, 3617.
- Ford, D.M. 2526, 8373.
- Ford, E.J. 3683.
- Ford, F.C. 3617.
- Forgash, A.J. 5374, 8478.

- Forge, P. 7797.
 Forquignon, F. 8828.
 Forrest, G.A. 5692.
 Forrester, D.J. 3905, 8711.
 Forsey, T. 8727.
 Forsline, P.L. 8776.
 Forster, 6672.
 Forster, R. 290.
 Forsyth, B.A. 532.
 Forsythe, H.Y., Jr. 4754.
 Forsythe, T.G. 4482.
 Fortunato, P.J. 3661.
 Forward, R.B., Jr. 3698.
 Fostel, J.M. 1289, 3582.
 Foster, C.E. 7766.
 Foster, G.G. 4040, 4867, 7051.
 Foster, G.W. 3905.
 Foster, J.E. 4841.
 Foster, J.W.S., III 8345.
 Foster, R.N. 9621.
 Foster, W.A. 3748, 6942.
 Fouillet, P. 647, 1812.
 Fourche, J. 3522, 4425.
 Fourie, P.B. 2685.
 Fournier, D. 5585, 6999, 9369.
 Fournier, C.R. 1624, 5259.
 Fouts, D.L. 4012, 7946.
 Fowler, H. 7907.
 Fowler, H.G. 4146, 5242.
 Fowler, J.E. 5643.
 Fowler, J.E.F. 1542, 1562, 1910.
 Fox, C.F. 1417.
 Fox, I. 517, 2028, 6862.
 Fox, R.C. 3041, 3120, 9227.
 Fraenkel, G. 3659, 7717, 7723, 9208.
 Frago, S.A. 8124, 8306.
 Fraiha, H. 77.
 Francz, J.-M. 3474.
 France, K.R. 4420.
 Franceschini, N. 1549.
 Franciscolo, M.E. 1369.
 Francke, C. 4038.
 Francke, O.F. 8993.
 Francke, W. 4461, 8432.
 Franco, L. 968.
 Franco, M.G. 1063, 2179.
 Francois, J. 4403, 5318.
 Francy, D.B. 1933, 2056, 5639, 7719, 9275.
 Frank, J.H. 59, 9747.
 Frank, M.B. 9669.
 Frank, W. 7843.
 Franke, U. 8789.
 Frankel, B. 6118.
 Frankham, R. 4035.
 Frankie, G.W. 1876, 7668.
 Frankland, A.W. 2972.
 Franklin, M.F. 2449.
 Franklin, R. 8358.
 Franklin, R.T. 4143, 6182.
 Franssen, F.F.J. 4774.
 Frantsevich, L.I. 215.
 Franz, H. 3297, 3330, 4210, 5113, 5834, 6591, 8155, 8156.
 Franz, J.M. 552, 573, 7571.
 Franzblau, G. 3583.
 Franzmann, B.A. 2664, 3952.
 Fraser, J. 369.
 Fratello, B. 6382, 6415.
 Fraval, A. 5591.
 Frazier, J.L. 6951.
 Frech, D. 2768.
 Fredeen, F.J.H. 8340.
 Frederickson, S. 5978.
 Free, J.B. 1969, 4474, 5710, 5718.
 Freedman, B. 2891.
 Freeman, B.E. 7794.
 Frei, H. 9345.
 Freidberg, A. 3360, 4242, 6612, 8203, 9057.
 Freidrich, E. 4133.
 Freier, B. 7078.
 Fremuth, J. 8139.
 French, C.K. 2127, 7946.
 French, E. 5582.
 French, J.R.J. 7410.
 French, L.K. 9625.
 French, V. 9314.
 Frerichs, W.M. 5654.
 Frerot, B. 5326, 6048.
 Fresnaye, J. 9133, 9647.
 Freuler, J. 7084.
 Freund, R. 1293.
 Freytag, P.H. 5926.
 Freyvogel, T.A. 3505, 7849.
 Friars, G.W. 4949.
 Frick, K.E. 9433.
 Friebe, B. 8426.
 Friedel, T. 3473, 4361, 5430, 6835, 8443.
 Friedlander, M. 1055, 7630, 8547.
 Friedrich, E. 4947, 6878.
 Friend, W.G. 6033, 9439.
 Frieser, R. 6565, 8994.
 Fristrom, D.K. 8490.
 Fristrom, J.W. 6158, 8490.
 Froeschner, R.C. 4144, 8076, 8214.
 Frommer, R.L. 6850.
 Fu, G. 1694.
 Fu, M.-s. 343.
 Fucci, L. 4932.
 Fuchs, M.S. 1832, 3661, 4426, 5439, 7612, 7631.
 Fudalewicz-Niemczyk, W. 8381.
 Fuge, H. 8821.
 Fuhrer, E. 7776, 8887.
 Fujii, J.K. 6112.
 Fujie, A. 6955.
 Fujikawa, H. 2092.
 Fujikawa, K. 4928.
 Fujimaki, T. 7936.
 Fujimoto, Y. 8430.
 Fujisaki, K. 3891, 7748.
 Fujishiro, N. 5531.
 Fujishita, M. 7625.
 Fujita, H. 8709.
 Fujita, K. 510.
 Fujiwara, S. 3660.
 Fujiwara, T. 1754.
 Fujiyoshi, N. 6722.
 Fukami, H. 3703, 9490.
 Fukami, J. 8430.
 Fukuda, H. 188.
 Fukuda, T. 3594, 8456.
 Fukui, M. 1068, 3694.
 Fukunaga, A. 3140, 6429.
 Fukushima, T. 2773.
 Fukuzaki, Y. 3660.
 Fullard, J.H. 6208.
 Fullarton, S. 2605.
 Fuller, R.L. 5491, 7725.
 Fullerton, R.A. 3106.
 Fullington, K.E. 195.
 Funatsu, M. 259, 7506.
 Funderburk, J.E. 884.
 Funke, W. 7790.
 Furgala, B. 7509, 9257.
 Furman, D.P. 2277.
 Furnish, J. 9447.
 Furniss, M.M. 9602.
 Furr, R.E. 3611.
 Fursch, H. 9007.
 Furtado, A. 3672.
 Furth, D.G. 652, 9375.
 Furuta, Y. 1742.
 Fussell, E.M. 7058.
 Fussey, G.D. 6118.
 Fuxa, J.R. 8762.
 Fuyama, Y. 4075.
 Fuzeau-Braesch, S. 1680, 5530, 8517.
 Fye, R.E. 7778.
 Fye, R.L. 1197, 3020.
 Fyg, W. 9297.
 Fyrberg, E.A. 7928.
 Gabel, B. 1554.
 Gabriel, B.P. 1255, 7327.
 Gabrielli, M.G. 6788.
 Gad el Rab, M.O. 2055.
 Gad el Rab, M.O. 3025.
 Gadagkar, R. 7106.
 Gadbin, C. 9133.
 Gaddis, C.H., Jr. 2447.
 Gade, G. 3546, 8397.
 Gademann, R. 6018.
 Gadia, E.S. 5461.
 Gaedike, R. 1522, 7204, 8960, 9091.
 Gaffal, K.P. 7478.
 Gage, L.P. 1298, 1299.
 Gage, S.H. 7868.
 Gagne, J.A. 1230, 9499.
 Gagne, R.J. 8179, 9758.
 Gair, R. 545.
 Gaj-Rostalska, K. 279.
 Gajudo, C.E. 355.
 Galal, A. 3771.
 Galanopoulos, V.K. 9344.
 Galati, E.A.B. 9519.
 Galeano, M.E. 5390.
 Galewski, K. 197.
 Galiano, M.E. 25, 5075, 8981.
 Galindo, P. 4751.
 Gall, G.A.E. 3921.
 Gall, L.F. 5199.
 Gallego, A. 2175.
 Galletti, P.A. 708, 8924.
 Gallo, A.J. 8884.
 Gallo, D. 1241.
 Gallo, E. 696.
 Gallois, M. 4312, 6052, 7522.
 Gallucci, V.F. 1903, 2084.
 Gallun, R.L. 4841, 7892.
 Galowalia, M.M.S. 300.
 Galun, R. 3553.
 Gambefort, Y. 2332.
 Gamboa, G.J. 205, 2103, 7677, 7703.
 Gammon, D.W. 3607.
 Gamo, S. 1344, 1345, 9292.
 Gamo, T. 3136.
 Gandar, M.V. 5241.
 Gande, A.R. 4433.
 Gander, E.S. 3505.
 Gandhi, J.R. 6968.
 Ganesalingam, V.K. 4824.
 Ganetzky, B. 4063.
 Gangrade, G.A. 6073.
 Ganguly, S.K. 7512.
 Ganotte, P. 9761.
 Gans, M. 3128, 8828.
 Ganyard, M.C. 1556.
 Gara, R.I. 1903, 2084.
 Garben, A.D.M. 1194.
 Garcia Aldrete, A.N. 5966.
 Garcia, C. 3056, 3594, 6856, 8456.
 Garcia, E.S. 4478, 4565, 7065.
 Garcia, J.C. 7171.
 Garcia, J.L. 7460.
 Garcia, M.A. 6854.
 Garcia, M.L.M. 4565.
 Garcia, R. 254, 515, 2040, 2053, 2978, 3921.
 Garcia, R.D. 3630.
 Garcia, R.G. 3729.
 Gardiner, B.O.C. 2571.
 Gardiner, L.M. 9546.
 Gardini, G. 3337, 5831, 6496, 7261.
 Gardner, Medwin, A.R. 6014.
 Gardner, W.A. 8762.
 Gareau, A. 6886.
 Garela, J. 7124.
 Garell, J.P. 6394.
 Garen, A. 7127.
 Garg, R. 1671.
 Gargiulo, G. 4868.
 Garland, J.A. 6142, 6685, 8074.
 Garling, L. 3759.
 Garner, J.W. 1244, 8735.
 Garofalo, C.A. 7711.
 Garret-Jones, C. 3913.
 Garretsen, F. 7101.
 Garris, G.I. 2848.
 Garrison, R.W. 7799, 9539.
 Garthwaite, R. 645.
 Garushkina, L.A. 298.
 Garvie, M.B. 444.
 Garza, J., Jr. 318, 319, 1196, 9563.
 Garza, M.G. 872.
 Gaso, M.I. 4592.
 Gaston, L.K. 4442, 6824.
 Gatehouse, A.G. 887, 6857.
 Gatter, D. 9736.
 Gaud, J. 5055, 5757, 5810.
 Gaudio, L. 4932.
 Gaugler, R. 5366, 7552, 7842.
 Gaud, J.D. 4986, 5934.
 Gaunce, A.P. 6096.
 Gaur, P. 3145.
 Gauss, J.D. 2687.
 Gausz, J. 4898.
 Gautam, P.C. 3854.
 Gautsch, O. 5602.
 Gaven, B. 6326.
 Gavalanes, F.G. 8401.
 Gavalanes, J.G. 7499, 8401.
 Gay, F.J. 111, 9088.

- Gayathri,M.V. 6869, 8465.
Gaylor,M.J. 1876.
Gaynor,D.L. 3978, 5971.
Gearhart,H.L. 5278.
Gebhardt,B. 6018.
Geer,B.W. 5297.
Geertsema,H. 199, 4826.
Geetha Bai,M. 9416.
Gegechkori,A.M. 7347.
Gehring,W. 4871.
Gehring,W.J. 7973.
Geier,P.W. 1990, 3587, 8674.
Geiler,H. 7809.
Geisthardt,M. 1365.
Geiszler,D.R. 1903, 2084.
Gelbic,I. 4488.
Geldiay,S. 4362, 4363.
Gelhaus,J.K. 8191.
Gelman,D.B. 5402, 5440.
Generoso,E.E. 4930.
Genest,L. 8998.
Genestier,G. 1090.
Genil,Z.N. 1884.
Genise,J.F. 3749.
Gentili,E. 7286.
Genung,W.G. 2792.
George,B.W. 6364, 8624.
George,C.J. 8354.
George,J.C. 9201.
George,J.E. 9230.
George,K.S. 545.
George,T.K. 8620.
George,V.P. 1013.
Georgiou,G.P. 294, 1760, 1770, 1773, 2135, 6855, 6866, 6870, 8309, 8485.
Georgian,T.J. 9660.
Georgiev,D. 2652.
Georgiev,G.P. 2137, 2138, 4018.
Gera,R. 9203.
Geraedts,W.H.J.M. 563.
Geraerts,W.P.M. 5290.
Gerard,P.J. 3845, 3968.
Gerardi,M.H. 5045.
Gerber,H. 7860.
Gerbi,S.A. 9683, 9684.
Gerdes,C.F. 8329.
Gergen,J.P. 2133, 7139.
Gerling,D. 1122, 2073, 2760.
Germain,M. 2056, 8703.
Gerold,J.L. 371.
Gerrish,R.R. 7749.
Gersch,M. 9254.
Gerschman de Pikelin,B.S. 5076.
Gershenson,Z.S. 8054.
Gershman,H.S. 3888.
Gerson,U. 4684, 8104, 8343.
Gerstberger,M. 9098.
Gertsch,W.J. 761, 5818.
Gertsson,C.-A. 1956.
Gervais,A. 2903.
Gervet,J. 5522, 9648.
Gess,F.W. 8682.
Gewecke,M. 3461, 3462, 6755.
Gfrorer,J. 5679.
Ghanim,A.A. 7806, 7807.
Ghatak,S.S. 344.
Ghauri,M.S.K. 1498, 2381, 3368, 5914.
Ghazal,A. 292.
Ghazi-Bayat,A. 6837, 7455, 9255.
Gheorghiu,T. 1758.
Ghiasuddin,S.M. 4509.
Ghilarov,M.S. 8906.
Ghiradella,H. 2508.
Ghiringelli,D. 3704.
Ghobrial,A. 7879.
Ghorpade,K.D. 6721, 6962.
Ghosh,A. 6745.
Ghosh,K.K. 5646.
Ghosh,L.K. 2386.
Ghosh,M. 4227, 8180.
Ghosh,M.R. 2006, 9589.
Ghysen,A. 3475.
Giacchi,J.C. 85.
Giacomelli,F. 398, 774, 889, 906, 913, 1097.
Giacomozzi,R.O. 614, 4037.
Giang,P.A. 2507.
Giani,N. 2115.
Giannakakis,A. 9172.
Giannetti,M. 3016.
Giap,G. 8714.
Gibbons,D.S. 4524, 5892, 6215.
Gibbons,K. 3419.
Gibbs,D. 8361.
Gibbs,G.W. 121.
Gibbs,K.E. 1281.
Gibbs,P.H. 6850.
Gibeaux,C. 681, 686, 8046.
Gibney,V.J. 2846.
Gibo,D.L. 3742, 3824, 8644.
Gibson,C.W.D. 4747.
Gibson,G.A.P. 108, 6670.
Gibson,J.B. 8888.
Gibson,L.D. 2252.
Gibson,R.W. 4681.
Gichang,M.M. 7838.
Giebulowicz,J.M. 6189.
Gielis,C. 1050.
Giese,R.L. 1999, 7015.
Gieselmann,M.J. 4456.
Giess,M.C. 7620, 9296.
Gietz,R.D. 595.
Giguere,L.A. 3532, 4861, 5288.
Gijswijt,M.J. 3687.
Gil Collado,J. 2213.
Gil,F. 998.
Gilbert,B. 7861.
Gilbert,B.N. 521, 879.
Gilbert,D.G. 1058, 4722, 8550.
Gilbert,L.E. 6966, 9483.
Gilbert,L.L. 1600, 2598, 3662, 4568.
Gilby,A.R. 4582, 6750.
Gildow,F.E. 2881, 3790.
Gill,A.C. 7934.
Gill,B.S. 7079.
Gill,C.C. 1954.
Gill,K.S. 455, 4575, 4938, 4964, 5552, 7971, 9635.
Gill,P. 7980, 9702.
Gill,T.K. 7948.
Gillaspay,J.E. 1251.
Gillenwater,H.B. 265.
Giller,P.S. 5485.
Gillespie,D.R. 6972.
Gilliam,M. 9446.
Gillies,M.T. 5464, 6943, 7325.
Gillies,S. 9151.
Gillon,Y. 1544.
Gillott,C. 3667, 8953.
Gilman,D.F. 4836.
Gilpin,M.E. 4712.
Giltrap,F.E. 6311.
Gimeno,A.L. 8481.
Ginevan,M.E. 163, 1973.
Gingery,R.E. 1951.
Ginsborg,J.S. 1059.
Ginsborg,B.L. 1713, 1716.
Giordana,B. 950, 1654, 8391.
Giordani,G. 3600, 3779.
Giorgi,F. 9359.
Giraldez,R. 7143.
Girard,C. 1452, 2965.
Girard,L. 6057.
Girard,P. 6443.
Giret,M. 3428, 8535.
Girodet,B. 7574.
Girolami,V. 7518.
Girton,J.R. 624, 1328.
Giudicelli,J.; Dakki,M. 6704.
Giunchedi,L. 1268.
Giurca,I. 2677.
Glancey,B.M. 7532.
Glancy,B.M. 2574.
Glaser,A.E. 3460.
Glaser,W. 3381, 3382.
Glass,H. 7639.
Glatzer,K.H. 1286, 7944.
Glaunsinger,W.S. 3457.
Glazer,M. 9595.
Glen,D.M. 4742.
Glieth,I. 2747.
Glorioso,M.J. 8287.
Glottet,E. 2884.
Glover,A. 2574, 7532.
Glover,D. 5726.
Glover,D.M. 7120.
Glukhova,V.M. 8322.
Gnanapragasam,N.C. 2724, 3502.
Gnanasunderam,C. 9251.
Gnatzy,W. 9222.
Gninenko,Yu.I. 1172, 1894, 3887.
Gochauer,T.A. 9257.
Goddard,J.M. 7929.
Goddeeris,B. 3013.
Godeau,J. 6440.
Godeau,R.-P. 6440.
Godefroy,G.L. 8333.
Godovikova,V.A. 4880.
Godse,D.B. 7554.
Godwin,P.A. 7421.
Goeden,R.D. 7698.
Goel,S.C. 4737.
Goel,Z. 7839.
Goettel,M.S. 3933.
Goetz,G.P. 2558.
Goetz,M. 402.
Goetz,M.A. 9214.
Goff,M.L. 16, 17, 19, 4157, 4162, 4164, 4724, 5814, 6550.
Goh,S.H. 5352.
Goheen,D.J. 5681.
Golbach,R. 5098, 5099, 5100.
Goldberg,D.A. 2134.
Goldberg,Z. 2052.
Goldblum,N. 8087.
Goldenberg,S. 2001.
Goldschmidt-Clermont,M. 4871.
Goldsmith,A. 7658, 7669.
Goldsmith,M. 1310.
Goldsmith,M.R. 4877, 7142.
Goldsmith,R.S. 516.
Goldson,S.L. 2705, 3789.
Goldstein,M. 4371.
Goldstein,N.I. 4424.
Goldsworthy,G.J. 2513, 5298, 8402, 8956.
Gollands,B. 1124.
Gollner-Scheiding,U. 6635, 9065.
Golosoova,L.D. 9, 5807.
Golovatch,S.I. 158, 1536.
Goltzene,F. 3669, 4528.
Golub,V.B. 6636.
Golubenko,Z. 7566.
Golubeva,G.V. 5880.
Golubovskiy,M.D. 2159, 4067, 6086.
Gomaa,A.A. 6113.
Gomaa,E.A. 7254.
Gomes,A.de C. 9519.
Gomes Simoes,L.C. 3127.
Gomez de Aizpurua,C. 1389.
Gomez Bustillo,M.R. 691, 693, 848, 1379, 1381, 2420, 2423, 2431, 9090, 9093.
Gomez de Aizpurua,C. 699, 1385, 8051, 9739.
Gomez,M.S. 5800.
Gomy,Y. 1454, 6579, 7285.
Goncharov,A.L. 5967.
Gong,H. 4581.
Gong,H.-f. 343.
Gonzales,J.C. 9355.
Gonzalez,A. 482, 5391.
Gonzalez,A.J. 1524.
Gonzalez,D. 5157, 8020.
Gonzalez Duarte,R. 248.
Gonzalez Duarte,R. 962, 6038.
Gonzalez,J.P. 8713.
Gonzalez,M.A. 49, 156, 3414.
Gonzalez Prada,R. 9095.
Gonzalez-Ramos,M. 3004.
Gonzalez-Ros,J.M. 7632.
Gonzalo Fidel,I. 135.
Goodenough,J.L. 3014, 3062.
Gooding,R.H. 440.
Goodman,R.M. 592, 601, 651, 6986, 9270.
Goodpasture,C. 4577, 7587.
Goodwin,J.T. 7321, 9055.
Goodwin,S. 1116.
Goodwin,T.W. 8429.
Goodyer,G.J. 308.
Goosey,M.W. 6024.
Gopalan,M. 4696.
Gopkalo,E.L. 1745.
Gordeeva,E.V. 1422.
Gordh,G. 98, 7357.
Gordon,A.E. 2116.
Gordon,D.T. 1951.
Gordon,M.A. 6312.
Gordon,R.D. 4199.
Gore,J.A. 4645.
Gorelova,T.D. 4039.
Gorges,N.S. 250.
Gorgner,E. 8283.
Gorick,B.D. 3986.

- Gorodkov, K.B. 9042.
 Gorrick, M.A. 3615.
 Gorton Linsley, E. 6993.
 Goryshin, N.I. 1824.
 Gorziglia, M. 998.
 Gosalvez, J. 4058, 6410, 8806, 8822.
 Gosling, D.C.L. 4142.
 Gotceitas, V. 7731.
 Goth, R.W. 473.
 Gotthill, S. 973, 3552.
 Gotthill, S. 8521.
 Goto, T. 1695.
 Gottlieb, D. 2052.
 Gotz, K.G. 2555.
 Gotze, M. 8496.
 Goudege-Perriere, F. 8522.
 Goudey Perriere, F. 1835.
 Gould, F. 256, 4077.
 Gould, H.J. 3035.
 Gould, J.L. 1869.
 Gouranton, J. 1595.
 Gourdoux, L. 3534, 5296, 6794, 7504, 9215.
 Gouteux, J.-P. 2369, 6327, 6328, 6329, 6330.
 Govardhan, T.L. 928.
 Gow, C.-n. 7400.
 Goyer, R.A. 4756, 7874.
 Goyette, D. 9549.
 Goyffon, M. 3474.
 Gozhenko, V.A. 3670.
 Graber, M. 2850.
 Grace, D. 594.
 Grace, J. 7767.
 Grace, T.D.C. 3587.
 Graf, H. 3119.
 Graf, V. 829, 830, 831, 832, 833.
 Grafius, E. 4858.
 Graham, C.L. 877.
 Graham, C.W. 559, 3035.
 Graham, D. 8359, 9186.
 Graham, M.L. 2141.
 Graham, O.H. 519.
 Grainger, C.R. 7859.
 Gramenzi, F. 255.
 Gramiccia, G. 736.
 Gramma, V.N. 52.
 Granados, R.R. 2646.
 Granata, A.R. 8481.
 Granath, W.O., Jr. 4326, 4491.
 Grande, G.R. 3664.
 Granett, J. 3605, 5380, 5387.
 Granger, N.A. 2598.
 Grant, G.C. 262, 2768, 9364.
 Grant, M. 1686.
 Grantham, R. 1672.
 Gras, R. 1596.
 Grasshoff, M. 5760.
 Gratton, K.A.F. 2510, 9160.
 Gratz, N.G. 4792.
 Grave, E. 8609.
 Gravelle, K. 3877.
 Gravena, S. 635, 2679, 2681, 3046, 7073, 7083.
 Graves, B.J. 6168.
 Graves, C.L. 1130.
 Graves, P.M. 5239.
 Graves, R.C. 1130.
 Gray, J.S. 3746.
 Grayson, M.A. 1192.
 Grazia, J. 4247, 6633, 6740.
 Graziosi, G. 2741, 7140.
 Greathead, D.J. 8177.
 Greatorex-Davies, J.N. 6491.
 Gredat, G. 2229.
 Green, C.A. 608, 2152.
 Green, C.L. 873.
 Green, L.F.B. 1667.
 Green, M. 3027.
 Green, M.M. 4014, 7154, 7960.
 Green, P.E. 1009, 2996.
 Greenbank, D.O. 5227.
 Greenberg, B. 5655.
 Greenberg, L. 1973, 2197.
 Greenberg, S. 973, 5431.
 Greenblatt, J.A. 7814.
 Greene, A. 7989.
 Greene, J.R., Jr. 9454.
 Greenhalgh, R. 1258.
 Greenleaf, A.L. 3151.
 Greenplate, J.T. 5433.
 Greenslade, P.J.M. 3822, 4671.
 Greenspan, R.J. 1325.
 Greenstone, M.H. 4626, 6270.
 Greenup, L.R. 308, 1955, 5569, 9620.
 Greenway, A.R. 5979, 7521.
 Gregoire-Wibo, C. 9538.
 Gregor, F. 4136.
 Gregory, G.E. 4309, 4310.
 Gregory, M.W. 9460.
 Grehan, J.R. 6473.
 Grell, E.H. 1326.
 Grell, R.F. 3146, 4930.
 Grenier, S. 7735, 7736.
 Gribakin, F.G. 7468.
 Gridley, K. 7003.
 Grieco, M.H. 7839.
 Griego, V.M. 1000, 3557.
 Grier, S.L. 6248.
 Griffin, J.G. 3429.
 Griffin-Shea, R. 2144.
 Griffiths, C.L. 9397.
 Griffiths, D. 1985.
 Griffiths, D.C. 568, 7521.
 Griffiths, G.C.D. 2352.
 Griffiths, G.W. 916.
 Griffiths, K.J. 1238.
 Grigarick, A.A. 1357.
 Grigg, J. 1896.
 Grigo, F. 6807.
 Grigolo, A. 1834.
 Grigor'ev, V.B. 999.
 Grigoriev, V.B. 8462.
 Grimal, A. 9341.
 Grimalsky, V.I. 2788.
 Grimes, M.J. 5232, 5347.
 Grimm, C. 4010.
 Grimm, J.K. 5045.
 Grimm, R. 9731.
 Grimstad, P.R. 1191.
 Grinnell, E.R. 439.
 Grissell, E.E. 2792, 2839, 7702, 8257.
 Gritsuk, V.I. 6808.
 Gritzenko, V.V. 4958.
 Grocholski, J. 1583.
 Grogan, W.L., Jr. 4224, 9035.
 Grokhovskaya, I.M. 2999.
 Gromko, M.H. 1352, 8858.
 Gromov, B.V. 5538.
 Grond, C. 8794.
 Gronemeyer, H. 8857.
 Groner, A. 573.
 Gronko, M.H. 1058.
 Groot, H. 3260.
 Grootenhuis, J.G. 7855.
 Grosch, D.S. 4541.
 Gross, G.F. 5797.
 Gross, P. 5607.
 Grosscurt, A.C. 3604, 7568, 7600.
 Grosser, N. 1378, 3222, 3223, 8646.
 Grossman, Y. 6758.
 Grossmann, A. 4933.
 Grotz, M. 3305.
 Grotz, R. 3305.
 Grover, K.K. 3902, 7060.
 Gruet, B. 9004.
 Grugel, S.R. 1020.
 Grula, J.W. 1636, 3159, 3165.
 Grula, M.A. 4418.
 Grum, L. 3862.
 Grumberg, J. 5691.
 Grundler, O. 1593.
 Grune, S. 6535.
 Grunewald, J. 1744.
 Gruzdev, A.D. 1316, 1317, 6412.
 Gruzova, M.N. 3450, 3451.
 Grzelak, K. 6403.
 Gubaidulin, N.A. 4487.
 Gubler, D.J. 8697.
 Guedes, A.S. 2357.
 Gueguen, A. 5341, 8413.
 Guelin, M. 8540.
 Guentzel, O. 6725.
 Guerin, P.M. 929.
 Guerra, A.A. 3630.
 Guerrero, A. 3704, 7068, 7514.
 Guerrero, G.A. 373.
 Guest, W.C. 3141.
 Guevara-Benitez, D.C. 1427.
 Guidali, F. 9347.
 Guillen, E.E.A. 3068.
 Guillen Llera, J.L. 2213.
 Guillet, C. 2727.
 Guillet, C. 3522.
 Guillet, J.C. 5265.
 Guillet, P. 3606, 4784, 6095.
 Guillot, F.S. 6311.
 Guinn, F.H. 5988.
 Guida, M. 1791.
 Gul, H. 3052.
 Gul, R. 3152.
 Gumussuyu, I. 7213.
 Gundel, J. 9244.
 Gundel, M. 5258.
 Gundelfinger, E. 4073.
 Gunders, A.E. 2052.
 Gundersen, C.B., Jr. 9281.
 Gunderson, C.A. 3533.
 Gunenc, Y. 4681.
 Gunnarsson, B. 4852.
 Gunnarsson, S. 4612.
 Gunthardt, M.S. 4660.
 Gunther, K.K. 1397, 3239.
 Guo, F. 4479.
 Guppy, J.C. 5587, 5783, 8691.
 Gupta, A. 1783.
 Gupta, A.K. 6258.
 Gupta, A.P. 5405.
 Gupta, A.S. 1693, 8636.
 Gupta, B.D. 1559, 1701, 1722, 4589, 5330, 5448, 6068.
 Gupta, B.K. 3076.
 Gupta, B.L. 6827.
 Gupta, B.M. 2061, 2868, 6362, 9284.
 Gupta, D.K. 1709, 3540, 6818.
 Gupta, H.C. 2868.
 Gupta, J.K. 6899.
 Gupta, J.N. 4819.
 Gupta, J.P. 1320, 3350, 4233, 4890, 8188, 9039.
 Gupta, M. 1806, 7603.
 Gupta, M.L. 1311, 8811, 8825.
 Gupta, S.C. 6406.
 Gupta, S.K. 4159, 4160, 5809.
 Gupta, S.L. 5950.
 Gupta, V.K. 5172.
 Gurjeva, E.L. 7291.
 Gurney, W.S.C. 2944.
 Gururaj, M.E. 4052.
 Guse, G.-W. 4367, 8372.
 Guseva, V.S. 2007.
 Gushchin, B.V. 999, 8462.
 Gushchina, E.A. 999, 8462.
 Gustafsson, B. 7381.
 Gustafsson, K. 8017.
 Gustin, R.D. 3714.
 Guthrie, W.D. 3802, 6102, 8512, 8746.
 Gutierrez, A.P. 2947, 2971, 3898, 3963, 7795, 9409.
 Gutierrez, F.L. 3226.
 Gutierrez, J. 5813.
 Gutierrez V., E. 9275.
 Gutnick, M.J. 6758.
 Gutova, V.P. 1206, 2035.
 Guttman, S.I. 9703.
 Gutzeit, H.O. 9361.
 Guy, R.H. 7420.
 Guzman, J. 4592.
 Gvozdev, V.A. 6803.
 Gwilliam, G.F. 4359.
 Gwynne, D.T. 1188, 6193, 6947.
 Gyurkovics, H. 4898.
 Haas, G.E. 721, 4676.
 Haas, V. 7426.
 Habeck, D.H. 187, 7769.
 Habeebullah, B. 6347.
 Habib, M.E.M. 6854.
 Habibulla, M. 4364.
 Hablas, A. 640.
 Hably, L. 4153.
 Habowsky, J.E. 2716.
 Hacker, C.S. 4936.
 Hackett, D.S. 887.
 Hackman, W. 2, 2814, 5001, 5002.
 Hackney, O.P. 9120.
 Haddon, W.F. 4441.
 Haddox, A.W. 7096.
 Hadley, M. 8012.
 Hadley, N. 8352.
 Hadley, N.F. 6004.
 Haack, J. 7791.
 Haefner, J.D. 6389.
 Haenni, J.P. 2368, 2922.
 Haeselbarth, E. 2486, 2487, 5121.
 Haeseler, V. 1143, 9408.

- Hafernik, J.E., Jr. 7799, 9539.
 Hafez, M. 2087, 6732, 6733.
 Hagan, C.E. 7233.
 Hagedorn, H.H. 5432, 6162.
 Hagele, K. 589, 8831.
 Hagen, K.S. 7795.
 Haget, A. 7527.
 Haggard, C.M. 205.
 Haggart, D.A. 5263.
 Hagggett, G.M. 3437.
 Hagley, E.A.C. 2674, 2682, 3683, 6346, 7882.
 Haglund, B.M. 6218.
 Hagstrum, D.W. 2709.
 Hagvar, E.B. 5709.
 Hagvar, S. 3112.
 Hahn, M. 1727.
 Hahn, S.K. 2897.
 Haigh, A.J.B. 7838.
 Hair, J.A. 2848, 7864.
 Haitlinger, R. 18, 446, 2212.
 Hajkova, Z. 7520.
 Halbert, S.E. 6986.
 Haldar, D.P. 6084.
 Hale, W.G. 4755.
 Hales, D.F. 8529, 8863.
 Hales, J.R.S. 8700.
 Halkka, L. 3169.
 Halkka, O. 639, 3169.
 Hall, B.D. 4019.
 Hall, D.R. 1707, 2604, 4444, 4449.
 Hall, D.W. 6083, 7641.
 Hall, I.M. 990, 2978.
 Hall, J.C. 5157, 6050, 8557, 8852.
 Hall, J.W. 6096.
 Hall, L.M. 6050.
 Hall, M.C. 6948.
 Hall, M.J.R. 940.
 Hall, M.L. 4713.
 Hall, P.K. 3107.
 Hall, P.M. 1136.
 Hall, R. 76.
 Hall, R.A. 2642, 3578, 7899.
 Hall, R.D. 6352, 9561.
 Hall, R.J. 2119.
 Hall, R.L. 8352.
 Hall, R.W. 4833.
 Hall, T.A. 6827.
 Hall, T.J. 6333.
 Hall, T.L. 8741.
 Halilberg, E. 7529, 8379.
 Hallett, J.G. 2943.
 Halliday, R.B. 9707.
 Hallmon, C.F. 534, 7847.
 Halloran, G.M. 3967, 8638, 9614.
 Halmäi, Z. 8103.
 Halperin, J. 1229.
 Halse, S.A. 1728.
 Halsey, S.H. 750.
 Halstead, A. 3032.
 Halstead, D.G.H. 790.
 Hama, H. 4508.
 Hamada, R. 7781.
 Hamai, J. 4520.
 Hamalainen, M. 7662.
 Hamano, K. 240, 2589.
 Hamasaki, T. 4776.
 Hambleton, E.J. 3370.
 Hamdorf, K. 2765.
 Hameed, M.M.S. 7628.
 Hameister, H. 8857.
 Hamilton, J.D. 3998.
 Hamilton, J.S. 8741.
 Hamilton, J.T. 2664.
 Hamilton, K.G.A. 5918, 6641, 7336.
 Hamilton, P. 7014.
 Hamilton, R.W. 7704.
 Hamilton, S.W. 1534.
 Hamkalo, B.A. 1310, 7142.
 Hamlen, R.A. 5673.
 Hamm, J.J. 3055.
 Hammack, L. 8554.
 Hammad, S.H. 3879.
 Hammad, S.M. 7806, 7807.
 Hammock, B.D. 2744, 4569, 7535, 8400.
 Hammond, P.M. 4100, 7299.
 Hammond, R.B. 1039.
 Hamnett, A.F. 3548.
 Hampton, R.O. 1967.
 Han, S.-S. 274, 5396.
 Hancock, D.L. 859, 6676, 8202.
 Handa, S.M. 7949, 9681.
 Handler, A.M. 350, 3676.
 Handler, P. 7471.
 Hanhimäki, S. 9142.
 Hanisch, H.-C. 4690.
 Hanloser, H. 2548, 3481.
 Hanly, E.W. 4072.
 Hannay, C.L. 8458.
 Hannoun, C. 4797.
 Hanny, B.W. 1152.
 Hansen, B.L. 2597.
 Hansen, C.R., Jr. 2687.
 Hansen, C.W. 507.
 Hansen, G.N. 2597.
 Hansen, J.D. 2835, 7445.
 Hansen, K. 6763.
 Hansen, T. 1236, 4818.
 Hansens, E.J. 5235, 5650.
 Hansford, R.G. 8607.
 Hanski, I. 496, 502, 1189, 2798, 2963, 5586.
 Hanson, S.J. 7661.
 Happ, G.M. 341, 5232, 5347.
 Haq, A. 1565.
 Haq, M.A. 3270.
 Hara, A.H. 5359.
 Hara, S. 637.
 Harada, H. 513.
 Haragsim, O. 6140.
 Harbo, J.K. 4571.
 Harcourt, D.G. 885, 5237, 5783, 8691.
 Hardie, J. 161, 1841, 5574, 8544, 8545.
 Hardie, R.C. 1549.
 Harding, J.A. 712, 1080, 3937, 6348.
 Hardman, J.A. 2895.
 Hardman, J.M. 3853.
 Hardy, D.E. 4241, 8176.
 Hardy, J.L. 239, 1207, 2015, 2983, 7505, 9564.
 Hardy, R.J. 8599.
 Hare, J.D. 1759, 2880.
 Hare, W.W. 557.
 Harein, P.K. 235.
 Harger, H. 6416.
 Hargrove, J.W. 2991, 5229, 5584, 6752.
 Haritonov, A.Y. 5776.
 Haritonov, A.Yu. 7995.
 Harknider, J.R. 990.
 Harlan, D.P. 6311.
 Harlos, J.A. 2640.
 Haro, A. 7460.
 Harper, M.W. 4748.
 Harper, P.P. 580, 5723, 6705, 8295.
 Harrap, K.A. 4483.
 Harrap, K.A. 9264.
 Harrell, E.A. 557, 9119.
 Harrell, L. 3251.
 Harries, M.G. 3924.
 Harrington, B.J. 7743.
 Harrington, T.C. 9602.
 Harris, A.C. 5993.
 Harris, C.R. 5683, 6099, 6110.
 Harris, D.L. 2721.
 Harris, J. 2508.
 Harris, J.R.W. 9582.
 Harris, K.M. 1472.
 Harris, M.K. 1029.
 Harris, P. 2925, 6242, 6243.
 Harris, P.V. 4013, 7963.
 Harris, R.A. 8437.
 Harris, R.L. 2929.
 Harris, V.E. 364, 975, 3631.
 Harrison, A.D. 7924.
 Harrison, B.A. 8829.
 Harrison, F.P. 3063, 3077, 5688.
 Harrison, M.D. 2864.
 Harrison, N. 6708.
 Harrison, R.A. 7024.
 Harrison, R.G. 5576.
 Harry, P. 1828.
 Hart, D.D. 1904.
 Hart, R.J. 5261.
 Hart, W.G. 872, 1157, 3729, 6310, 6311.
 Hartl, D.L. 6421, 7649, 7953.
 Hartman, M.J. 4534, 5414, 7611.
 Hartmann, A.W. 6431.
 Hartmann, G.C. 6082.
 Hartmann-Goldstein, I.J. 1313, 3138.
 Hartsell, P.L. 538.
 Hartstack, A.W. 1034.
 Haruyama, H. 2739.
 Harvey, D.J. 5204.
 Harvey, G.T. 5236.
 Harvey, T.L. 1943, 2673, 6313.
 Harvey, W.R. 9242.
 Harville, B.G. 4683.
 Harwalkar, M.R. 3176.
 Harwood, R.F. 2261, 9764.
 Harz, K. 1466, 6694.
 Hasan, S.F. 8314.
 Hasegawa, K. 5307.
 Hasegawa, T. 2315.
 Hasenbein, B. 4121.
 Hasenfuss, I. 6837, 7455, 8339, 9255.
 Hashiguchi, Y. 6959.
 Hashim, H.B. 6021.
 Hashimoto, A. 1681.
 Hashimoto, H. 8086.
 Haskins, C.P. 7837, 9415.
 Haskins, E.F. 9415.
 Haskins, T. 7842.
 Haslbachova, H. 449.
 Hassan, E. 3033.
 Hassan, S. 2641, 6889.
 Hassan, S.A. 7571.
 Hassan, S.K. 8434.
 Hassell, M.P. 5581, 8660, 9543.
 Hastings, A. 9528.
 Hastings, F.L. 9609, 9631.
 Hastreiter, M.W. 3427.
 Hatchett, J.H. 7079.
 Hati, A.K. 5646.
 Hattori, M. 8430.
 Haugum, J. 742.
 Haukioja, E. 2899.
 Hauschild, K.I. 2450, 7887.
 Hausen, K. 2539, 4365, 4375.
 Hauser, C. 8267.
 Hausvater, E. 9607.
 Havelka, P. 63, 2223.
 Haverty, M.I. 8784.
 Havlickova, H. 2858.
 Havukkala, I. 365, 366.
 Hawkeswood, T.J. 6964.
 Hawkins, R. 3924.
 Hawley, M.K. 2135, 8485.
 Hawley, R.S. 611.
 Hawlitzky, N. 8420, 8421.
 Hay, M.E. 3796.
 Hayakawa, Y. 7510.
 Hayashi, M. 8807.
 Hayashi, N. 3565.
 Hayat, M. 711, 1510, 5164, 6654, 8242, 9084, 9085.
 Haybach, G. 5876.
 Hayes, C.G. 1201, 1218, 8523.
 Hayes, D.K. 2507, 4529, 5402, 5440, 9343.
 Hayes, J. 405, 2048.
 Haynes, J. 6132.
 Hazen, C.R. 5507.
 Hazra, S.K. 8836.
 He, Y.Y. 5309.
 Heady, S.E. 8942.
 Heal, J.R. 8864.
 Heal, N.F. 658, 3189.
 Heaps, J.W. 5030.
 Heard, A.J. 551.
 Heath, A.C.G. 2274, 2992, 8696, 8901.
 Heath, J. 7380.
 Heath, J.E. 4154.
 Heathcote, R.D. 7459.
 Hebauer, F. 8023.
 Hebbalkar, D.S. 1693, 4554.
 Hebling Beraldo, M.J.A. 1017, 6816.
 Hebrard, G. 2655, 6116.
 Hecker, H. 2988.
 Heckford, R. 6489.
 Heckford, R.J. 8008.
 Hecq, J. 3396, 3398, 3399, 3400, 3401, 4123, 5953, 5954, 5955.
 Hedin, P.A. 6790.
 Hedlund, R.C. 1888, 6978.
 Hedqvist, K.-J. 2404.
 Heed, W.B. 3656.
 Hefetz, A. 271.
 Hegab, A.M. 3739.
 Hegazi, E.M. 5411, 6228.
 Hegazy, E.M. 6231.

- Feidger, P.M., Jr. 321.
 Feie, O.E. 88, 2385.
 Feimpel, A.M. 282.
 Feine, C.W. 989.
 Feinertz, R. 3307.
 Feinrich, B. 270, 732, 1710, 5476, 7524, 8952.
 Feinrich, G.H. 9081.
 Feinrichs, E.A. 165, 8633.
 Feinz, W. 3304.
 Feisenberg, M. 6018, 6432.
 Feiser, R.F. 9340.
 Feiss, E. 8210.
 Feithaus, E.R. 2889.
 Feitler, W.J. 2515.
 Feitmans, W.R.B. 4891.
 Feitz, B. 1958.
 Feizmann, A. 1812.
 Felal, E. 7777.
 Felava, J. 3318.
 Felb, H.W. 4121.
 Felgesen, R.G. 5487, 6877.
 Feliovaara, K. 8578.
 Felle, W. 2151, 4891.
 Fellenenthal, R.A. 1526, 2437, 7393, 9103.
 Fellkvist, J. 6988.
 Felson, B.V. 5385, 6303, 6308, 8593.
 Fem, D.G. 3011, 9411.
 Fembree, S.C. 1202, 4499, 5379, 6850.
 Femeida, I.A. 6113.
 Ferning, B.S. 2444.
 Fenchal, L.S. 992.
 Fenderson, I.F. 3066.
 Fenderson, J. 3999.
 Fenderson, J.F. 3529, 3530, 3537.
 Fenderson, N.C. 3892.
 Fenderson, R.A. 2252.
 Fenderson, S.A. 1825.
 Fendrichs, J. 8561.
 Fendrickson, R.M., Jr. 7415.
 Fendrix, C.M. 3003.
 Fendrix, S.D. 462.
 Fendry, L.B. 3554.
 Fengeveld, R. 4661, 7791.
 Fengstenberg, B. 2555.
 Fenikoff, S. 4019.
 Fenneberry, T.J. 3692.
 Fennig, G.A. 7377, 7378.
 Fennig, W.H. 7376.
 Fenon, B.K. 7456.
 Fenquell, D. 7673.
 Fenrick, C.A. 4456.
 Fenry, C.S. 2754, 8568.
 Fenry, J.E. 8621.
 Fenry, T.J. 811, 6632, 8219, 8594.
 Fenschien, A. 3526.
 Fensler, I. 8926.
 Fentschel, H. 7920.
 Fentzen, D. 6394.
 Fenzell, R.F. 3735, 3753.
 Fepburn, H.R. 2509, 2514, 2526, 6902, 6908, 8373.
 Fepner, J.B. 116, 7371, 9101.
 Fepworth, D. 5470.
 Ferald, F. 3909, 5384, 9282.
 Ferard, F. 433, 5591.
 Ferath, P.R.J. 306, 7635, 8472.
 Herbage, D. 4403.
 Herbers, J.M. 7909.
 Herbert, E.W., Jr. 162, 4429, 4430, 5532, 8411.
 Herbert, H.J. 7785.
 Herbulot, C. 690, 851, 3386, 3388, 4280, 4281, 8262.
 Herczig, B. 2860, 4753.
 Heres, A. 4125.
 Herlong, D.D. 5034.
 Herman, H.R. 3675.
 Herman, L.H. 791.
 Herman, W.S. 4397, 7484, 7501, 8428.
 Hermann, H.R. 392, 5395.
 Hernandez, L.R. 434.
 Herne, D.C. 8734.
 Herne, D.H.C. 5526, 9124.
 Herrebout, W.M. 4953.
 Herrera, A. 526.
 Herrera Mesa, L. 7194.
 Herrick, S. 2102, 9498.
 Herring, J.L. 8211.
 Herrmann, R. 8274.
 Hersch, M.I. 2514.
 Hershey, N.D. 2143, 7928.
 Herst, P.M. 563.
 Hertel, G.D. 8574.
 Hertel, H. 216.
 Herting, B. 806.
 Herve, J.P. 8713.
 Hervy, J.-P. 9560.
 Hesperheide, H.A. 2303, 5080, 7280.
 Hess, J.E. 9683.
 Hess, R. 234.
 Hess, R.T. 1002, 4526, 5361.
 Hester, P. 1102.
 Hetru, C. 3674, 4528.
 Hetz, M. 7438.
 Hetz, M.W. 460.
 Hevers, J. 5994.
 Hewings, A.D. 9270.
 Hewitt, G.B. 8732, 9633.
 Hewitt, G.M. 615.
 Hibbs, E.T. 7516.
 Hibino, Y. 4849, 9400.
 Hickey, D.A. 2193.
 Hickman, J.L. 9417.
 Hickman, V.V. 9417.
 Hidaka, T. 3663, 9628.
 Hiehata, K. 2931, 2951.
 Higashiura, Y. 7000.
 Higgins, A. 3014.
 Higgins, M.J. 7137.
 Highton, R.B. 876, 4794.
 Hightower, B.G. 1261.
 Hikichi, A. 2674.
 Hilburn, L.R. 2192.
 Hildebrand, J.G. 6760, 8370.
 Hilder, T.B. 548, 6241.
 Hilditch, J.A. 3856.
 Hildrew, A.G. 372, 3999, 4624.
 Hill, A.S. [deceased] 9365.
 Hill, E.M. 9523.
 Hill, L. 1491.
 Hill, M.G. 485, 3820, 4704.
 Hill, P.L. 6526.
 Hill, R.A. 9634.
 Hill, R.J. 4913.
 Hill, R.L. 3972.
 Hille Ris Lambers, D. 2853.
 Hillen, N. 2560.
 Hillerdal-Hagstromer, K. 6988.
 Hillerton, J.E. 2504, 4345, 4346.
 Hillier, M. 6708.
 Hillier, P.C. 632.
 Hilliker, A.J. 2149, 4045.
 Hillyard, P.D. 5822.
 Hilwig, I. 6715, 9259.
 Hilzensauer, H.G. 9637.
 Hindmarsh, P.S. 554.
 Hinks, C.F. 9333.
 Hintze-Podufal, C. 8503.
 Hippa, H. 2371.
 Hirai, K. 4447.
 Hiraizumi, Y. 4023.
 Hirano, C. 6709.
 Hirao, J. 7082, 7090.
 Hirashima, Y. 2443, 7047.
 Hiregoudar, L.S. 3246.
 Hirn, M. 3674, 8508.
 Hirotsaki, S. 8675.
 Hirose, C. 4511, 5375, 6719.
 Hirose, M. 9521.
 Hirose, Y. 2915, 2931, 2951.
 Hirsch, H.L. 6051.
 Hirst, R.G. 5382.
 Hiruma, K. 1845.
 Hisada, M. 6777.
 Hisamatsu, S. 7284.
 Hislop, R.G. 7887.
 Ho, K.-K. 2697.
 Ho, S.H. 4395.
 Hoarau, F. 8508.
 Hobson, K. 4570.
 Hoch, A.L. 9578.
 Hochberg, Y. 4371.
 Hochmut, R. 5612.
 Hockenos, P. 7860.
 Hockin, D.C. 6477.
 Hocking, R.R. 9120.
 Hodek, I. 4548.
 Hodge, P. 4979, 4981, 4982.
 Hodgetts, R.B. 595.
 Hodgson, C.J. 6154.
 Hodgson, E. 256.
 Hodjat, S.H. 7334.
 Hodgkinson, J.D. 1358, 2200, 5154, 5773, 5782, 7349, 8077.
 Hodson, B.A. 4066.
 Hoebeke, E.R. 5785, 8068.
 Hoeger, U. 9294.
 Hoffer, A. 5165.
 Hoffman, C.A. 1939.
 Hoffman, J.A. 5286.
 Hoffman, J.D. 6856, 7419.
 Hoffman, R.L. 870, 5221.
 Hoffmann, C.B. 2002.
 Hoffmann, D. 5284.
 Hoffmann, J. 1787.
 Hoffmann, J.A. 3669, 3674, 4528, 9349.
 Hoffling, M.C.A. 5719.
 Hofmann, A. 8284.
 Hofmann, H.C. 3062.
 Hoffmann, P. 1382, 7160.
 Hofsvang, T. 5709.
 Hogan, B.F. 3744.
 Hogg, D.B. 9409.
 Hogness, D.S. 4875.
 Hogue, C.L. 733, 751, 5962.
 Hoheisel, U. 8496.
 Hohmann, C.L. 7072.
 Hoikkala, A. 2767.
 Holbert, D. 8325.
 Holden, J.J. 4898.
 Holdich, D.M. 1604.
 Holihosur, S.N. 2600.
 Holland, R.W. 4283.
 Holland, T.V. 3431, 3753.
 Hollander, A.L. 2998.
 Holdobler, B. 2771, 4477, 7912, 9394.
 Holdobter, B. 3696.
 Holliday, M. 3705.
 Holliday, N.J. 96, 2682.
 Hollis, D. 2200, 7349.
 Holloway, J.D. 1992, 2181, 2267.
 Hollowell, M. 3659.
 Holm, A. 6463, 8017.
 Holm, D.G. 6416, 8834.
 Holm-Jensen, I. 1613, 9212.
 Holm, P.B. 4902, 8810.
 Holman, G.M. 2511, 4348, 7494.
 Holman, J. 2384, 5917, 6640.
 Holmes, K.C. 213.
 Holmes, P.T. 2842.
 Holmes, R.S. 5749.
 Holmgren, P. 6435.
 Holmgren, R. 1293, 9672.
 Holmniuk, A.E. 8385.
 Holscher, K.H. 5278.
 Holscher, L. 4627.
 Holst, M. 921.
 Holstein, E.H. 7412.
 Holterman, M. 7857.
 Holtkamp, R.H. 2086, 9620.
 Holtzer, T.O. 486.
 Holtzman, G. 4077.
 Holynski, R. 8115.
 Holzel, H. 3403, 7394, 7395.
 Homan, H.W. 3583.
 Homem de Mello, R. 8476.
 Homer, J.T. 2852.
 Honda, H. 4591.
 Honda, K. 4319, 4451, 4480, 5351.
 Honegger, H.-W. 1640.
 Honek, A. 333, 7808.
 Honomichi, K. 4367, 8372, 9175.
 Honzakova, E. 7724.
 Hood, D.E. 8618.
 Hood, W.M. 3041.
 Hoogstraal, H. 4152, 6318, 7685, 8099, 9402, 9697.
 Hooi, S. 525.
 Hook, A. 1861.
 Hook, A.W. 7681.
 Hoorn, A.J.W. 3157.
 Hopkins, A.R. 9616, 9632.
 Hopkins, D.E. 4324.
 Hopkins, M.J.G. 1947, 1948.
 Hopkins, P.S. 2996.
 Hopkins, T.L. 4432.
 Hoppe, T. 7089.
 Hopwood, A.J. 7119.
 Horak, J.G. 1569.
 Horak, J. 1456.
 Horber, E. 1934.
 Horber, E.K. 9474.

- Horel,A. 3686.
Horgan,P.M. 6338.
Hori,K. 1249, 3531.
Hori,S.H. 2167.
Hori,Y. 1694.
Horie,Y. 2445, 3088, 3517.
Horn,D.H.S. 1691.
Horn,K.F. 3719.
Horner,N.V. 3290.
Horowitz,R. 2073.
Horrige,G.A. 1627.
Horsburgh,R.L. 2477, 5480.
Horstmann,K. 834, 4461,
5171, 6663, 7359.
Horton,G.A.N. 654.
Horvat,R. 6861.
Hosbach,H.A. 590.
Hosking,G.P. 1922.
Hosny,M.M. 1082, 1220, 2107.
Hossain,M. 8328.
Hostounskey,Z. 6845.
Hotari,A. 9217.
Hotta,Y. 9686.
Hou,T.-q. 5191.
Houben,N.M.D. 6039.
Hough-Evans,B.R. 588, 1287.
Houk,E.J. 239, 916, 1207,
7505, 9564.
Houlihan,D.F. 2695, 4354.
House,C.R. 1713, 1716, 2626,
7531.
House,V.S. 3048, 5669, 6344.
Houseman,J.G. 953, 4407.
Housewear,M.W. 8581.
Houston,K.J. 1446, 8863.
Houyez,D. 688.
Hovore,F.T. 8125, 8126.
Howard,B.D. 9281.
Howard,C.M. 1966.
Howard,D.C. 3049.
Howard,D.F. 3015, 5715,
8418.
Howard,F.W. 3090.
Howard,F.W. 3811.
Howard,F.W. 9495.
Howard,G.C. 4904.
Howard,G.W. 2478.
Howard,J. 6773.
Howard,J.J. 1192.
Howard,R.W. 427, 4504, 5539,
6005, 8784.
Howden,H.F. 3325, 5086,
5864.
Howell,D.A. 9139.
Howell,J.O. 3717, 8342.
Howell,K.M. 5221.
Howells,A.J. 961, 1599, 1766,
4919, 5253.
Howick,C.D. 7418.
Howlader,M.A. 8390.
Howse,P.E. 5332, 5349, 9370.
Hoy,M.A. 2662, 4831.
Hoy,R. 7671.
Hoying,S.A. 1558, 6106.
Hoyt,S.C. 266, 8589.
Hozman,P. 7193.
Hrdy,I. 338.
Hromadka,L. 3334, 4214,
8160.
Hsiao,C. 2599.
Hsiao,K.-J. 6374.
Hsiao,T.H. 2599.
Hsieh,P.-c. 151.
Hsieh,P.C. 5217.
Hsieh,T. 587.
Hsu,C.-k. 6674.
Hsu,M.-F. 2463.
Hsu,M.-y. 4341.
Hsu,T.-s. 9218.
Hu,Y.-j. 4338.
Huang,C.-a. 7248.
Huang,C.-l. 5150.
Huang,F.-s. 2416.
Huang,P. 7571.
Huang,P.-J. 4900.
Huang,Y.-M. 3349.
Hubbard,L. 4830.
Hubbard,M.D. 81, 8207.
Hubbard,S.F. 1926.
Hubbell,S.P. 7907.
Huber,F. 2536, 6839, 7476.
Huber,J. 552, 573.
Huber,J.T. 5162, 7422.
Huber,R.E. 3513.
Huber,R.L. 7220.
Huble,J. 5765.
Huddleston,E.W. 7445.
Huddleston,T. 4261.
Hudson,P.B. 2976.
Hue,B. 9166.
Huebner,E. 4527, 8498, 8537.
Hueli,L.E. 2816.
Huerta Dionisio,M. 7375.
Huertas Dionisio,M. 407, 1387.
Huet,C. 1790.
Huffaker,C.B. 7869.
Huffman,F.R. 712, 1080.
Huggert,L. 840, 4276, 7362.
Hughes,G. 2011.
Hughes,P.B. 1016.
Hughes,P.R. 9130.
Hughes,R.C. 4417, 4428.
Hughes-Schrader,S. 4909.
Hughes Spence,D. 2120.
Hughes,T.D. 226, 227.
Huibregtse-Minderhoud,L.
6046.
Huie,P. 1843.
Huignard,J. 2882.
Huisman,K.J. 697.
Hull,P.R. 2685.
Hummelen,J.C. 2637.
Hummels,K.R. 6393.
Hummon,W.D. 8767.
Humpesch,U.H. 3638.
Humphrey,J.D. 2016.
Humphreys,W.F. 985.
Hunsley,J.R. 6392.
Hunt,D.M. 1331.
Hunt,L.M. 521, 879.
Hunt,R.H. 2152.
Hunt,T.N. 8756.
Hunter,D.M. 7597.
Hunter,F.A. 6471.
Hunter-Jones,P. 4449.
Huot,L. 7437.
Hurd,P.D.Jr. 6993.
Hurka,K. 1577, 8030, 8997.
Hurkat,P.C. 5542.
Hurkova,J. 7562.
Hurlock,E.T. 6365.
Hurst,J.M. 299.
Husband,R.W. 2694, 5486.
Husby,J.A. 2611.
Hussain,M. 2567.
Hussein,H.S. 3727.
Hussey,N.W. 7899.
Hussian,T. 8575.
Hutacharn,C. 2457.
Hutcherson,J.A. 1922, 2696.
Hutchins,R.F.N. 9251.
Hutchinson,D.B.A. 7069.
Hutchinson,E. 7058.
Hutchinson,K.J. 5471.
Hutson,B.R. 2920.
Hutt,R.B. 2507.
Hutton,G.F. 4718.
Huxley,C. 4705.
Huxley,J. 9240.
Huxsoll,D.L. 529.
Huybrechts,R. 7601.
Huyton,P.M. 2607, 2609,
7653.
Hwang,S.M. 2697.
Hyatt,K.H. 7251.
Hyche,L.L. 9482.
Hyer,A.H. 9485.
Hynes,C.D. 4534, 5414.
Hynes,H.B.N. 2113, 2256,
7819, 7921.
Hynes,M.E. 2256.
Hynum,B.G. 2862, 7077.
Hyodo,A. 1330, 1316.
Ibarra,G. 3004.
Ibrahim,A.A. 6732, 6733.
Ibrahim,M.M. 5553.
Ibrahim,O.F. 9141.
Ibrahim,R. 7596.
Ichijo,N. 4533.
Ichikawa,T. 3479.
Ichimoto,I. 1681.
Ichinose,M. 1353, 7169.
Ichinose,T. 6956, 7863.
Ienistea,M.-A. 6586.
Iga,M. 2951.
Ignatowicz,S. 1800, 1802.
Ignoffo,C.M. 3056, 3594, 6856,
8456.
Iheagwam,E.U. 2936, 3827,
5419, 5446, 5516, 5564,
6953.
Ihrke,T.R. 461.
Iino,A. 3147.
Ikebe,K. 1888.
Ikeda,H. 7159.
Ikeda,K. 3464, 7456, 7475.
Ikeda,T. 980, 1692.
Ikekawa,N. 1692, 7500.
Ilan,J. 1329.
Ilick,E.H. 2929.
Iharco,F.A. 2388.
Ilus,E. 7114.
Ilyin,Y.V. 2137, 2138, 4018,
7150.
Ilyin,Yu.V. 7125.
Imadate,G. 1580.
Imai,K. 1695.
Imanishi,S. 2715.
Imhof,J.G.A. 7924.
Imhoff,J.-M. 6805.
Ingle,S.J. 872.
Inglesfield,C. 9537.
Ingolia,T.D. 7134.
Ingram,W.R. 5698.
Ingrisch,S. 9309.
Injean,H.S. 249, 8493.
Inomata,T. 9769.
Inoue,H. 1002, 5187, 6429,
7082, 7090.
Inoue,K. 4510.
Inoue,M. 7145.
Inoue,T. 510.
Inouye,D.W. 453.
Ioannidis,G.C. 2164.
Ioffe,I.D. 4552.
Ipinza,J. 5691.
Ippolito,R. 386.
Iqbal Qureshi,J. 8224.
Irie,K. 6122, 6903.
Irland,L.C. 5700.
Irmler,U. 1177.
Irmler,U. 2336.
Irvin,A.D. 7858.
Irving,S.N. 923, 1760.
Irwin,M.E. 6986.
Irwin,R.D. 1944.
Isaac,R.E. 8429.
Isaev,V.A. 1488.
Isart,J. 6202.
Iselin,W.A. 4141.
Isenhour,D.J. 8687, 9331.
Ish-Horowitz,D. 2131, 4898,
7175.
Ishaaya,I. 178, 2578, 2678.
Ishay,J. 6834, 9278.
Ishay,J.S. 1018, 2503, 4371,
9642.
Ishi,T. 7436, 7606.
Ishida,F. 3001.
Ishiguro,M. 259.
Ishii,S. 3703.
Ishii,T. 909.
Ishikawa,H. 7126.
Ishiwatari,T. 1704, 2092, 4458.
Ishizaka,T. 5317, 5563.
Ishizaki,H. 1694, 7625.
Islam,B.N. 5452.
Ismail,I.A.H. 1769.
Ismail,M. 292.
Isobe,M. 1695.
Isogai,A. 1694.
Issaly,M. 3757.
Istock,C.A. 4726.
Itagaki,H. 3001.
Itamies,J. 7683, 8677.
Itaya,P.W. 321.
Ito,K. 404, 1504, 7144.
Ito,S. 1836.
Ito,T. 1578, 4511, 5375, 6719.
Ito,Y. 4849, 5041, 7033, 9400.
Ivanickaja,E.F. 7913.
Ivanov,E.V. 4122.
Ives,W.G.H. 4803.
Ivie,G.W. 2051, 3628.
Ivinskis,P. 2425, 2426, 3235.
Ivry,Y. 7771.
Iwabuchi,K. 9769.
Iwai,P.J. 1001.
Iwanami,M. 4721.
Iwanari,Y. 2711.
Iwantsch,G.F. 1118, 3763.
Iwarsson,K. 2042.
Iwasa,M. 1570.
Iwasa,Y. 9717.
Iwata,T. 4508.
Iwuala,M.O.E. 6041, 7852,
8698.

- Iyengar, G.A.S. 8836.
 Iyer, P.P. 6338.
 Izhar, Y. 4746.
 Izumi, S. 964, 4034.
- Jachmann, F. 6918.
 Jack, R.S. 7973.
 Jackie, H. 2123, 4879, 5434, 6125, 7590, 7644.
 Jackson, B.S. 8940.
 Jackson, C.G. 431.
 Jackson, D.A. 3839.
 Jackson, J. 4450.
 Jackson, L.L. 6004, 6749.
 Jackson, R.R. 1062, 4659, 5453, 5454, 6915, 9367.
 Jackson, S.H. 5762.
 Jacob, A. 993, 2643, 2647, 9272.
 Jacob, T.A. 2732, 7579.
 Jacobs-Lorena, M. 588, 1287, 4011.
 Jacobson, H.R. 3184, 5116.
 Jacobson, K.B. 7133.
 Jacobson, M. 276.
 Jacobson, N.R. 6188.
 Jacobson, R.S. 389.
 Jacquemard, P. 7554.
 Jacquemart, S. 1533, 6596, 7303, 7304, 7407, 9524.
 Jacques, J.-M. 9524.
 Jaeckh, E. 115.
 Jaffe, H. 2507.
 Jaffe, K. 3471, 3484, 3706, 4605, 5349.
 Jagannath, M.S. 3246.
 Jago, N.D. 4297, 6691, 8292.
 Jahn, E. 8760.
 Jai Rao, K. 6975.
 Jain, H.K. 566, 3104, 3632, 3985, 8766.
 Jain, S. 6793.
 Jaipai, S. 9203.
 Jaisson, P. 2772, 3690.
 Jakab, J. 7515.
 Jakhmola, S.S. 7881.
 Jakinovich, W., Jr. 8377.
 Jakob, W.L. 5639, 7719, 9275.
 Jakuczun, L. 2918.
 Jalava, J. 4288, 7374.
 James, J. 1069.
 James, M.T. 2261.
 James, T.J. 9764.
 Jamil, Z. 5641.
 Jamnback, H. 5366.
 Jamuna 4500.
 Janaiah, C. 5325.
 Janak, J. 2337.
 Janardan, K.G. 2764.
 Janardanan, K.P. 6847.
 Janbakhsh, B. 7867.
 Janda, V., Jr. 1673, 2505, 2577.
 Jander, R. 8358.
 Jang, E.B. 5340.
 Jangi, B.S. 4305, 4306, 6707.
 Janick, J. 3801.
 Janiszewski, L. 2541.
 Jans, P. 8547.
 Jansen, C.G. 4786, 4945.
 Janssens, E. 6581.
 Jansson, A. 8036.
 Jansson, M. 7350.
- Janzen, D.H. 5570, 5583.
 Jaouni, T.M. 4476.
 Jaques, R.P. 8451, 8455.
 Jarman, M. 7538.
 Jarnagin, F.N. 9342.
 Jarolim, V. 335, 1546.
 Jarosz, J. 245.
 Jarry, B. 5730.
 Jarry, M. 6883.
 Jarvi, T. 7796.
 Jarvinen, O. 1339, 2964, 5756.
 Jarzemboski, E.A. 4147.
 Jarzembowski, E.A. 5182.
 Jas, H. 3465.
 Jasinski, Z. 9303.
 Jaspars-Versah, M.F. 4711.
 Jasperse, J.A. 563.
 Javed, S. 8523.
 Jaworska, M. 3588.
 Jay, E.G. 1061.
 Jayaraj, S. 466, 3043.
 Jayaram, V. 3543.
 Jayaraman, G. 5427.
 Jayaraman, K. 4500.
 Jayasekera, N. 4786, 4945.
 Jayasingh, D.B. 7794.
 Jayasuriya, A. 6075.
 Jaycox, E.R. 1089.
 Jaynes, W. 9561.
 Jeanne, R.L. 358, 1270, 6176.
 Jeanrot, N. 4368.
 Jedlicka, L. 1877.
 Jedryczkowski, W. 9723.
 Jeekel, C.A.W. 871, 3192.
 Jefferson, M.C. 1044, 5461.
 Jeffery, D.E. 626.
 Jeffery, G.M. 2973.
 Jeffery, J. 3247.
 Jeffords, M.R. 7172.
 Jelinek, J. 5835.
 Jellies, J. 1642.
 Jenkins, J.N. 3107, 8626.
 Jenni, L. 2562.
 Jennings, D.T. 170.
 Jennings, M. 3929.
 Jennings, R.C. 3548.
 Jensen, P.V. 2597.
 Jensen, T.F. 1613, 9212.
 Jenser, G. 3739.
 Jepsen, P.C. 3116.
 Jervy, T.O. 3121.
 Jervis, M.A. 430, 4630, 7747.
 Jeserich, G. 5983.
 Jesiotr, L.J. 4689, 6247.
 Jessen, K. 1727.
 Jez, D.H. 1633.
 Jha, A.P. 6911.
 Jiang, D.-z. 7893.
 Jiang, W.-P. 4900.
 Jiang, Z. 4460.
 Jilek, R. 2651, 4735.
 Jillson, D.A. 3855, 5605.
 Jimenez Gonzalez, A. 7206.
 Jin, J.S. 2811.
 Jingze, W. 1694.
 Jit, I. 3612.
 Jit, S. 2819.
 Joque, R. 760, 5067.
 Joern, A. 3851.
 Johansen, C.A. 2670.
 Johansson, R. 2422.
 John, A.-M. 1663.
- John, B. 618.
 John, P.A. 4820.
 John, P.S. 3050.
 Johns, M.A. 2592.
 Johns, P.M. 9720.
 Johns, R.E. 576.
 Johnson, A.W. 6372, 9492.
 Johnson, B. 4351.
 Johnson, B.K. 4772.
 Johnson, C. 1294.
 Johnson, C.D. 478.
 Johnson, D. 6350.
 Johnson, D.L. 4553, 9541, 9542.
 Johnson, D.M. 5037, 7017.
 Johnson, D.R. 6283.
 Johnson, J. 6354.
 Johnson, J.J. 7411.
 Johnson, J.W. 8325.
 Johnson, K.J.R. 9474.
 Johnson, L.K. 7907.
 Johnson, L.L. 7157.
 Johnson, M.D. 1868, 7708.
 Johnson, M.M. 3529, 3530, 3537.
 Johnson, M.P. 9195.
 Johnson, M.W. 6370, 6782, 7894.
 Johnson, N.A. 6423.
 Johnson, N.F. 5180, 9083.
 Johnson, P. 9393.
 Johnson, P.C. 9379.
 Johnson, P.J. 661, 6170.
 Johnson, R.A. 3102, 3244, 5707, 7729.
 Johnson, S.C. 9399.
 Johnson, S.J. 7733.
 Johnson, V. 4506, 5957, 8560.
 Johnson, W.E., Jr. 3251.
 Johnson, W.L. 1556, 8311.
 Johnson, W.M. 5644.
 Johnson, W.N. 2003.
 Jonasson, J.A. 472.
 Jonasson, Th. 6996.
 Jones, A. 471, 2872.
 Jones, A.S. 9609.
 Jones, C.A. 5441.
 Jones, C.D. 4445.
 Jones, C.E. 4643.
 Jones, C.J. 1124.
 Jones, C.W. 4003.
 Jones, D. 2584, 4664, 5435, 5788, 7535.
 Jones, G. 4664, 5435, 5788, 6166, 7535.
 Jones, G.H. 619.
 Jones, G.S. 2242.
 Jones, J.C. 734, 9762.
 Jones, J.S. 4088.
 Jones, J.W. 4822.
 Jones, M.D.R. 6923.
 Jones, O.T. 9370.
 Jones, R.H. 1887, 8695.
 Jones, R.J. 9646.
 Jones, R.L. 725.
 Jones, R.M. 5720.
 Jones, R.S. 9674.
 Jones, S.C. 2474.
 Jones, S.L. 5669, 6344, 7872.
 Jones, S.W. 6012, 6090.
 Jones, W.A., Jr. 4145.
 Jones, W.T. 4970.
- Jongejan, F. 4774, 6094.
 Jongeleen, F.J.J. 5370, 5481.
 Jonkman, J.C.M. 6378.
 Jonsson, L.K. 1071.
 Jonsson, S. 6751.
 Joon, N. 5763.
 Joost, W. 5886, 5887, 5965.
 Joppa, L.R. 7889.
 Jordaan, J.O. 2666.
 Jordan, A.M. 5748.
 Jordan, B.R. 603.
 Jordan, R.G. 1175, 3627.
 Jordan, T.W. 3520.
 Jorgensen, C.D. 1998, 8589.
 Jorgensen, J. 3029.
 Jorum, P. 2794.
 Jose, P.C. 3060.
 Josefsson, L. 7484.
 Joseph, A.N.T. 2354.
 Joshi, G.P. 2010, 5542.
 Joshi, J.M. 7768, 8739.
 Joshi, K.L. 3616.
 Joshi, V. 1693.
 Joslyn, D.J. 7966, 8800, 8818.
 Jost, H. 4132.
 Jotwani, M.G. 2890, 3985, 7774, 8766, 9594.
 Jourdain, D. 4318.
 Jourdan, R. 603.
 Journet, A.R.P. 1950.
 Joyce, A.B. 551.
 Juan, E. 962, 6038.
 Juberthie, C. 3567, 3568.
 Juberthie-Jupeau, L. 1719, 5275.
 Juchault, P. 2923.
 Juckner, J.S. 1020.
 Judd, W.W. 4692.
 Judson, C.L. 4420.
 Judson, P. 6888.
 Jui, P.Y. 4949.
 Juliano, B.O. 1113.
 Julien, J.-L. 6326.
 Julien, W. 8389.
 Jung, D. 2031.
 Jung, H. 218.
 Jungen, H. 6421.
 Jungreis, A. 4567.
 Jungreis, A.M. 4556, 6787, 6910, 7578.
 Junnikkala, E. 1557.
 Junqua, S. 4403.
 Jupp, P.G. 3019, 3023.
 Jurberg, J. 5251, 6203.
 Jurd, L. 265, 5425, 9338.
 Jurik, M. 4694, 9504.
 Jurzitza, G. 1527, 8946.
 Jussila, R. 3216.
 Justines, G. 9275.
 Justo, S.N. 1601.
 Jutsum, A.R. 2513.
- Kaaber, S. 1377.
 Kabakov, O.N. 4209, 7294.
 Kabonci, E. 4685.
 Kachalova, O.L. 710.
 Kaczor, W.J. 6162.
 Kadam, M.V. 410.
 Kaddou, I. 8020.
 Kadous, A.A. 4509.
 Kafatos, F.C. 2144, 2484, 2485, 4003, 4021.

- Kai, H. 2613.
Kaidanov, L.Z. 4002, 4948.
Kailun, H.-H. 3642, 3662.
Kain, W.M. 3431, 3753, 3829, 3895, 3978, 3980.
Kainoh, Y. 4688.
Kaiser, H. 1723, 6071.
Kaiser, P.E. 1562, 3426, 4834, 7825, 8707, 9329, 9339.
Kajita, H. 2817.
Kakpakov, V.T. 4883, 7136.
Kalalova, S. 3586.
Kalata, K. 6123.
Kalavati, C. 4497, 6851.
Kale, P.G. 3644, 3655, 5416, 8853.
Kalenchuk, V.U. 1205.
Kaleonov, G.S. 1968.
Kalfayan, L. 7931.
Kaliannan, K. 3043.
Kalinovic, I. 1397, 3239.
Kalisch, W.-E. 589, 8831.
Kalkandelen, A. 2226, 5142, 5772.
Kallapur, U.L. 2600.
Kallapur, V.L. 8354, 9201.
Kalmakoff, J. 3957.
Kalmring, K. 6015.
Kalra, A.N. 4670.
Kalthoff, K. 4879, 8516.
Kalvish, T.K. 3575.
Kamada, A. 244, 5346.
Kamada, T. 6380.
Kamalam, A. 3006.
Kamano, S. 7409.
Kamath, M.K. 1262.
Kambysellis, M.P. 3656.
Kamdar 4500.
Kamel, O.M. 7069.
Kames, P. 3181.
Kamijo, K. 4267.
Kamm, J.A. 1699.
Kamping, A. 2163.
Kamran, M.A. 5132.
Kamring, K. 5271.
Kanaaneh, A. 8087.
Kanaar, P. 786.
Kanauija, K.R. 6053, 6054, 9443.
Kanda, T. 7144.
Kandil, M.M. 2284, 7431.
Kandybina, M.N. 6659.
Kanegawa, K.M. 6112.
Kaneatsuru, R. 2582, 3166, 3542.
Kang, S.-H. 4426, 7612.
Kangas, E. 560.
Kangas, E. 7268, 7279.
Kangas, J. 4279.
Kannan, N. 9266.
Kanno, H. 2730, 7616, 8430.
Kantack, B.H. 6353.
Kanwar, U. 8442.
Kanyukova, E.V. 5908.
Kanzaki, T. 2739.
Kao, L. 4372.
Kao, W.-t. 6019.
Kapatos, E. 7780.
Kapitan, A.I. 8740.
Kaplan, M. 8199.
Kaplanis, J.N. 5240.
Kaplin, V.G. 153.
Kapoore, N.N. 2617, 4469.
Kappller, C. 4528.
Karacali, S. 4362, 4363.
Karakin, E.I. 4070.
Karamjeet 6405.
Karch, F. 8799.
Kardatzke, J.T. 1560, 1561, 1805, 9324.
Karg, J. 9122, 9513, 9514.
Kariluoto, K.T. 5429.
Karlin, A.A. 9703.
Karlssoon, J. 7591, 9312.
Karnecka, H. 8028.
Karoji, Y. 2962.
Karp, R.D. 3494.
Karps, A.E. 8182.
Karvonen, J. 5012.
Kasap, H. 1785.
Kasimov, A.K. 2610.
Kaska, H.M. 3453.
Kasprzak, K. 9657.
Kasturi Bai, A.R. 9163.
Kasuya, E. 4849, 4850, 9378, 9400.
Kaszbaz, Z. 1463, 4216, 5118, 7289, 8167.
Katase, H. 6780.
Katayama, R.W. 4830.
Katiyar, K.-N. 3065.
Katlabi, H.S. 2779.
Kato, Y. 941.
Katoh, S. 1327.
Katsoyannos, B.I. 5987, 7651, 7901.
Katsuki, M. 4865.
Katsura, Y. 259.
Kattar, M.R. 426.
Katze, J.R. 7133.
Kauffeld, N.M. 2873.
Kauffman, S.A. 9308, 9317.
Kaufman, T.C. 1302, 3132, 3133, 6391, 6393.
Kaufman, W. 2591.
Kaufman, W.R. 1712, 8437.
Kaufmann, D.L. 2849.
Kaul, D. 3145, 4889.
Kaul, H.N. 1401.
Kaunsale, P.P. 1885.
Kaur, K. 3515.
Kaur, S.P. 2588.
Kaurov, B.A. 3647.
Kaushal, B.R. 1986.
Kaushik, S.C. 1589.
Kavaliers, M. 4606, 9423.
Kavanaugh, D.H. 767, 4183, 8118.
Kawakami, M. 4004.
Kawakami, T. 5996.
Kawamoto, F. 2656.
Kawamura, H. 1578.
Kawanishi, M. 1334.
Kawasaki, K. 6720.
Kawase, S. 1741.
Kawatski, J.A. 2687.
Kawazu, K. 3649.
Kay, A.B. 2055, 3025.
Kay, B.H. 536, 6331, 8719.
Kay, I.R. 312.
Kay, M. 6439.
Kaya, H.K. 5359, 7551.
Kayser, H. 4423.
Kazenas, V.L. 105, 2412.
Kazmierski, A. 6555.
Keall, J.B. 6461, 6485, 6487.
Kearnan, J.F. 1214, 1215, 1216.
Kearney, J.N. 7048.
Kearny, J.F. 1556.
Kearse, T.S. 520.
Keelley, L.H. 8398.
Keen, D.H. 725.
Kehat, M. 973, 3552.
Keil, B. 6805.
Keil, C.B. 5649.
Keill, C. 7942.
Keino, H. 6875.
Keirans, J.E. 3269, 4152, 9459.
Kekenbosch, J. 1360, 3194.
Kekic, V. 2927, 4086, 6442.
Kelkar, V.V. 2975.
Keller, M.A. 8771.
Keller, S. 5598.
Kelly, C.W. 9499.
Kelly, D.C. 989, 9264.
Kelly, J.F. 9267.
Kelly, L.E. 8399, 9170.
Kelly, P.R. 9743.
Kelly, T.J. 7612, 7631.
Kelsey, L.P. 78.
Kelton, L.A. 84, 813, 814, 815, 6524.
Kem, T.R. 295.
Kemeny, D.M. 6813.
Kemmerling, S. 6928.
Kemp, D.H. 7862, 8700.
Kemp, W.G. 5600.
Kemp, W.P. 2961.
Kempthorne, K.J. 1302.
Kempston, R.A. 5623.
Kence, A. 8859.
Keng, C.-g. 479.
Kennedy, A.J. 439.
Kennedy, C. 2274.
Kennedy, J.M. 293.
Kennedy, J.S. 1070.
Kenneth, R.G. 7561.
Kennett, C.E. 4520, 5035.
Kepena, L. 4590.
Kepner, R.L. 6726.
Keppey, D.O. 8804.
Keranan, L. 650, 6459.
Keren, S. 3433, 7564.
Kerfoot, W.C. 5043.
Kermarrec, A. 7910.
Kerr, R.W. 7051.
Kerr, W.E. 2161.
Kerridge, S. 7967, 8839.
Kerzhner, I.M. 5908, 8088, 9063, 9071.
Kesavan, P.C. 3652.
Keshishian, H. 6876.
Kestler, P. 2559.
Kettaneh, N.P. 7649.
Kettle, D.A. 184.
Kettle, P.R. 2436.
Kevan, D.K., McE. 35.
Kevan, D.K., McE. 8291.
Key, K.H.L. 8291.
Key, R.S. 6468.
Keyel, R.E. 8747.
Kfir, R. 4665.
Khafizov, I. 6273.
Khalaf, K.T. 166.
Khalifa, R. 3442.
Khalil, G. 6318.
Khalil, G.M. 1826, 9402, 9697.
Khalil, M. 640.
Khaliulin, G.L. 411, 3009.
Khamala, C.P.M. 2950.
Khan, A.R. 7428.
Khan, B.A. 3099.
Khan, M.A. 3152, 3551, 6139, 7854.
Khan, M.A.J. 8110.
Khan, M.A.M. 1566.
Khan, M.H. 2030, 2982.
Khan, M.W. 5283.
Khan, M.Y. 7351.
Khan, N.A. 5140.
Khan, N.H. 5596.
Khan, R.M. 2783, 4695.
Khan, T.R. 2634.
Khanum, Z. 8110.
Khare, V.U. 2892.
Khatiri, A.K. 7881.
Khatiri, N.K. 3991.
Khattat, A.R. 2948.
Kheirallah, A.M. 9407.
Khesin, R.B. 1295, 6395.
Khipple Mulligan, P. 9687.
Khlopunov, E.N. 6511, 9080.
Khodeir, I.A. 6934.
Khodko, L.P. 1205.
Khuda-Bukhsh, A.R. 2147, 8820.
Khurad, M.M. 1784.
Khush, G.S. 8633.
Ki Soon Rhee 960.
Kiauta, B. 1319, 7955.
Kiauta, M.A.J.E. 1319, 7955.
Kido, H. 4840.
Kidwell, M.G. 4968.
Kiechefer, R.W. 1150, 6353.
Kiesel, K. 9239.
Kifune, T. 2443.
Kiger, J.A., Jr. 1683, 3535.
Kiger, J.A., Jr. 5727.
Kijima, H. 5531.
Kiknadze, I.G. 8865.
Kiknadze, I.I. 1729.
Kilbey, B.J. 8319.
Kilias, G. 3178.
Kilminster, K.M. 8479.
Kim, C.-W. 274, 5267, 5396, 5774.
Kim, H.R. 5304, 7485.
Kim, J.H. 5396.
Kim, J.I. 5079.
Kim, K.C. 1227.
Kim, K.S. 5358.
Kim, M. 9490.
Kim, S.-e. 2613.
Kim, W.-K. 274, 5267.
Kim, W.K. 5396.
Kimball, K.T. 8859, 8883.
Kimber, S.J. 9358.
Kimbrough, J.W. 9442.
Kimoto, H. 2951.
Kimsey, L.S. 3711, 4634.
Kimura, A. 963.
Kimura, M. 7972.
Kimura, M.T. 4533, 4536, 6187.
Kimura, R. 1697, 3480, 9232.
Kint, C. 2471.
King, E.G. 7734.
King, K.L. 5471.

- King, M. 618.
King, P.D. 3576, 3634, 3844, 7757.
King, P.E. 1821.
King, R.C. 8817.
King, R.H. 8608.
King, T.P. 302.
Kingsolver, J.M. 8114.
Kinnear, J.F. 1691.
Kino, T. 514.
Kinsinger, R.A. 1753, 7549.
Kippenberg, H. 8137.
Kirby, M. 2066, 7085.
Kirchner, R.F. 1410.
Kirejtshuk, A.G. 5103, 7290, 9015.
Kiritani, K. 8686.
Kirk, V.M. 7652, 8327.
Kirsch, D.R. 4026.
Kirschfeld, K. 1632.
Kirschner, M.W. 4009.
Kirschvink, J.L. 1869.
Kiron, I. 2884.
Kirtaniya, S.D. 2672.
Kish, L.P. 2654, 3583.
Kisha, J.S.A. 9486.
Kishaba, A.N. 5572, 7903.
Kishen Rao, B. 6887, 6888.
Kishida, Y. 8268.
Kishino, K.-i. 978.
Kishore, R. 2085.
Kislow, C.J. 9609.
Kismir, A. 8752.
Kiss, I. 3653.
Kiss, I.I. 4039.
Kistner, D.H. 3184, 3562.
Kitagawa, O. 7978.
Kitaoka, S. 1681, 4776, 5122, 7748.
Kitayama, C.Y. 4215.
Kitching, R.L. 1555, 6712.
Kitthawee, S. 1335, 7152.
Kittle, P.D. 7696.
Kitzmiller, J.B. 9668.
Klausner, E. 1144.
Klausnitzer, B. 53, 753, 2321, 2322, 3444, 3445, 4201, 5560, 5858, 5859, 5860, 5861, 6301, 7086, 7182, 8018, 8144.
Klein, J.A. 5426.
Klein, M. 4731, 7564.
Klein, M.G. 337.
Kleinjan, J.E. 3500, 6033.
Kleinschmidt, T. 3510, 3524.
Klekowski, R.Z. 4759, 4760, 7497.
Klemas, V. 5657.
Klemperer, H.G. 1120, 4632.
Klijnstra, J.W. 3700.
Klima, F. 8018.
Klima, J. 5249.
Klima, R. 5484.
Klimaszewski, S.M. 6648.
Klimenko, V.V. 1818, 1819, 2740.
Klimetzek, D. 5324, 8678, 9239.
Klindworth, H.-G. 7775.
Kline, D.L. 4844, 8308, 9236.
Klinger, R. 5868.
Klockenhoff, H.F. 4282, 8285.
Klomp, H. 3762.
Kloter, K.O. 3936.
Klowden, M.J. 3751, 4374, 4376.
Klug, M.J. 1924, 4663.
Kluge, N.Yu. 4243.
Klun, J.A. 4460.
Kmitowa, K. 3586.
Knapp, F.W. 2008, 2009, 3909, 5384, 9282.
Knauf, W. 979.
Knausenberger, W.I. 1473.
Kneil, J. 8457.
Knerer, G. 6204, 8637, 8778.
Knight, J.W. 6909.
Knight, M.M. 9404.
Knopf, K.W. 1528.
Knopp, P. 1804.
Knott, S.G. 1214, 1215, 1216.
Knowles, C.O. 1774.
Knudsen, A.B. 525, 3247, 7049, 7062, 7852.
Knudsen, M.F. 9398.
Knudson, D.L. 3447, 4340.
Knulle, W. 5604, 6830, 9288.
Knutsen, L. 3268, 8195.
Kny, U. 2091.
Ko, W.H. 6112.
Kobayashi, K. 9503.
Kobayashi, M. 240, 359, 1288, 1741, 2589, 4993, 5319, 5412, 7783.
Kobayashi, R.M. 8303, 9334.
Kobayashi, Y. 3640.
Koberlein, C. 7182.
Koberlein, F. 7182.
Kobilka, B.K. 2498.
Koblet, H. 9583.
Kocak, A.O. 8266.
Kocan, K.M. 7864.
Koch, D. 8868.
Koch, F. 524.
Koch, H.G. 2734, 3666, 5980, 9461.
Koch, P. 8546.
Koch, R.B. 242.
Koch, S. 8205.
Koch, U.T. 159.
Kochhar, N. 7949.
Kockova-Kratochvilova, A. 291.
Koczka, K. 4039.
Kodama, T. 6822.
Kodomari, S. 6843.
Kodonova, O. 3086, 9624.
Koehler, S.C. 9590.
Koeman, J.H. 3053.
Koenig, J.H. 3464, 7475.
Koeniger, N. 4438.
Koepfer, H.R. 4893, 7173.
Koeppe, J.K. 4570, 4576, 5323, 9342.
Koerber, T.W. 1252, 1253, 3781, 8941.
Koesterer, R.Jr. 2729.
Koffler, A. 9727.
Koga, K. 1288, 2702, 2703.
Kogan, G.L. 6803.
Koh, H.-S. 9490.
Kohler, S. 719.
Kohler, S.L. 400, 8787.
Koike, Y. 963.
Kojima, A. 7904.
Kojima, J.-i. 578.
Kok, L.P. 7144.
Kok, L.T. 1008, 5603, 5687, 7619, 7870.
Kokoza, V.A. 4070.
Kokubu, H. 6958.
Kokwaro, E.D. 1750.
Kolaib, M.O. 6228, 6231.
Kolata, R. 7890.
Kolbe, W. 3115, 8909, 8910.
Kolchinsky, A.M. 1306.
Kolebinova, M. 4163.
Kolesnikov, N.N. 1729.
Koller, F. 8760.
Kolodny-Hirsch, D.M. 3063, 5688.
Kolonin, G.V. 8664.
Koltunov, E.V. 8296.
Komae, H. 3565.
Komarek, S. 3219.
Komatsu, A. 2538.
Komatsu, H. 7594.
Komine, T. 8709.
Komolafe, P.O. 5707.
Komson, A. 3969.
Kondo, N. 1695.
Kondratieff, B.C. 3734, 5213, 8345, 9106, 9139, 9659.
Konev, S.V. 9243.
Konig, R. 8503.
Konigstedt, D. 5021.
Konno, Y. 4591.
Kono, Y. 1831, 2722.
Konovalev, C. 4040, 4867.
Konovalev, C.A. 7051.
Koolman, J. 6045, 8427.
Kooser, B.S. 6256.
Koopmanschap, A.B. 6812.
Kopeck, D. 1028.
Kopelke, J.-P. 3362, 6736, 6737, 9410, 9656.
Kopenen, S. 8072.
Koponen, M. 6497.
Koponen, S. 8761.
Kopp, D.D. 5924.
Korenaga, R. 8675.
Korenberg, E.I. 4764.
Korge, G. 7935.
Korioth, M. 7615.
Korl, S.P. 8809.
Kormilev, N.A. 6631, 8209.
Kornberg, T. 6396.
Kornoukhova, I.I. 710.
Korochkin, L.I. 4880, 8865.
Korolevskaya, L.L. 7337.
Korotyayev, B.A. 8138.
Korpela, S. 4613, 8573.
Korvenkontio, P. 2358.
Koschatzky, K.H. 979.
Koshihara, T. 970, 2786.
Koshy, G. 6253, 6335.
Koshy, T. 7512.
Koshy, T.J. 2802.
Koslinska, M. 315.
Koslowski, R. 6274.
Kossack, G. 2031.
Kost, A.N. 1700.
Kost, N.V. 3571.
Koster, A.S. 3463.
Kostyuk, Yu.A. 7372.
Kosuda, K. 3172.
Kosztarab, M. 2805.
Kotani, M. 8039.
Kotarski, S. 1924.
Koteja, J. 220.
Koth, W. 1183.
Kotter, E. 1556.
Kouskolekas, C.A. 3688.
Kovacs, A. 1254.
Kovacs, J. 6134.
Kovalak, W.P. 2114, 6272, 8792.
Kovalev, B.G. 1700.
Kovalev, V.G. 1479, 9047.
Kovalevsky, J.V. 4764.
Kovoor, J. 2633, 4475, 6067.
Kowalik, W. 2211.
Kownacki, A. 7925.
Koyama, J. 6175.
Koyama, K. 4323.
Kozanek, M. 382.
Kozar, F. 2395, 5629.
Kozioł, F.S. 1762.
Kozlov, M.A. 8253.
Kozlov, M.P. 8480.
Kozub, G.C. 3920.
Kozuch, O. 512, 7846.
Krafft, B. 3686.
Krafsur, E.S. 1261.
Kraft, S.K. 8724.
Krain, H. 3455.
Kral, K. 6009, 6762.
Kramer, E. 4599.
Kramer, J.P. 7550.
Kramer, J.K. 1049, 2561, 4432, 5316, 6029, 7507.
Kramer, L.D. 1207, 9564.
Kramer, S.J. 3497, 3668, 6159.
Kramers, P.G.N. 8849.
Kraminsky, G.P. 595.
Kranzler, L. 9298.
Kraus, P. 7808.
Krause, G.L. 7763.
Krawczyk, J. 2906.
Kreasky, J.B. 6310.
Kreber, R.A. 4054.
Krebs, C.J. 6236.
Krecek, J. 338.
Kreitman, M. 3168.
Kremer, E. 4595.
Kreslavsky, A.G. 8692.
Kreslavsky, A.G. 1091, 4958.
Kress, H. 4411, 8856.
Kridner, H.M. 4060.
Krieg, A. 573, 2641, 9579.
Krieken, J. 9018, 9019.
Krimbas, C.B. 4085, 4957, 4960, 6446.
Kriskin, W.L. 442, 9745.
Krishna Gopal 1283.
Krishna, S.S. 6144.
Krishnamurthy, N.B. 2153, 4950, 4963, 6869, 8465.
Krishnan Nair, V.S. 1725.
Krishnarajah, S.R. 4824.
Krispyn, J.W. 1861.
Krisket, J. 1163, 3371.
Kristensen, N.P. 1519, 5206, 5207.
Kristofik, J. 673.
Kritzaya, I.G. 2007.
Krivolutskij, D.A. 2285.
Krivoshchina, N. 6620.

- Krivoshina,N.P. 193, 5893, 6615.
 Krochko,D. 1688.
 Kroeger,H. 257.
 Kroha,M.J. 3594, 6856, 8456.
 Krombein,K. 6532.
 Krombein,K.V. 3373.
 Kronstedt,T. 1641, 5823.
 Kropacheva,A.A. 2710.
 Krowczynska,A. 6403.
 Krueger,C.C. 2111.
 Krueger,H.R. 3040.
 Kruger,H. 2017.
 Kruijt,J.P. 3156.
 Krumpelmann,D. 945.
 Kronic,M. 6064.
 Kryan,J.L. 3621.
 Krzeminska,N. 2718.
 Krzymanska,J. 6817, 7493.
 Krzyzanowska,M. 3539.
 Ksiazek,T.G. 4788.
 Ksiazkiewicz,M. 7588.
 Ku,T.Y. 7885.
 Kubai,D.F. 5737.
 Kubaneishvili,M.Sh. 7136.
 Kubisova,S. 449, 4679.
 Kubli,E. 2136, 4032, 7138.
 Kubo,I. 4446.
 Kuboki,M. 4653.
 Kubota,A. 7102.
 Kucera,M. 1014.
 Kuckelkorn,B. 6274.
 Kudon,L.H. 9453.
 Kuenzi,M. 7061.
 Kuger,P. 7941.
 Kugler,C. 6748.
 Kugler,J. 9056.
 Kuglin,J. 504.
 Kuhlowl,F. 1664, 2756.
 Kuhn,C.W. 2901.
 Kuhn,D.T. 7938, 8833.
 Kuhn,R.C. 4841.
 Kuhne,R. 5271, 6015.
 Kuhnelt,W. 9112.
 Kukor,J.J. 4405, 6782.
 Kuksgauzen,N.A. 2999.
 Kukuk,P.F. 381.
 Kul'guskin,V.V. 1291.
 Kulandaivelu,R. 2878.
 Kulguskin,V.V. 2137, 2138.
 Kulhavy,D.L. 7754.
 Kulman,H.M. 1928.
 Kulshreshtha,J.P. 3087.
 Kulshreshtha,V. 2534.
 Kumada,N. 2656.
 Kumanski,K. 154.
 Kumar,A. 6899.
 Kumar,D. 2525, 3561, 9253.
 Kumar,H. 1871.
 Kumar,M. 7958.
 Kumar,N. 1126, 2588, 3624.
 Kumar,P. 2995, 5543.
 Kumar,S. 466, 1013.
 Kumaran,A.K. 1685, 3642, 3662, 4557, 4567.
 Kumarasinghe,K.S. 7723.
 Kumaraswami,T. 474.
 Kumata,T. 118.
 Kummel,B.A. 4678.
 Kummerow,E.L. 8712.
 Kunast,C. 1761.
 Kundu,G.G. 7774.
 Kundu,T.K. 6084.
 Kunimi,Y. 9503.
 Kunjukrishna Kurup,N. 6227.
 Kunkel,G. 2031.
 Kurkel,J.G.L. 6904.
 Kuno,G. 9147, 9149.
 Kunz,S.E. 2934, 9293.
 Kunz,T.H. 7039.
 Kunz,W. 1286, 4010, 7944.
 Kunzmann,M.R. 1915.
 Kuoh,C.-I. 91, 5150.
 Kurahashi,H. 4223, 6604.
 Kuramochi,K. 5231.
 Kurata,S. 1288, 2702, 2703.
 Kurczewski,F.E. 388, 1743, 4644.
 Kurenkov,V.B. 1211.
 Kurihara,M. 8430.
 Kurihara,T. 2650.
 Kurli,S.P. 8814.
 Kuroda,S. 5301.
 Kurokawa,K. 7607.
 Kurth,P.D. 7149.
 Kusano,T. 1677, 8383.
 Kusharyono,C. 4514.
 Kushwaha,M. 1013.
 Kusova,Z.L. 1125.
 Kuster,J.E. 932.
 Kustor,V. 9127.
 Kutenkova,N.N. 6516.
 Kutsch,W. 2548, 3461, 3462, 3481.
 Kuttler,K.L. 5654.
 Kutuza,S.B. 1213.
 Kutzyreva,L.T. 2346.
 Kutzer,E. 8699.
 Kuvangkadilok,C. 620.
 Kuwahara,Y. 2627, 3703, 4454, 7517, 7519.
 Kuwano,E. 9289.
 Kuzmina,L.A. 4939.
 Kuznetsova,O.V. 613, 3144.
 Kuznetsov,N.N. 3613.
 Kvenberg,J.E. 5973.
 Kwain,M.E.J. 5321.
 Kwieton,E. 4218.
 Kwon,Y.J. 5147, 5148, 7338.
 Kyriacou,C.P. 7974.
 Kyriki,J. 4288, 4335.
 Kyzin,B.A. 4880.
 la Fage,J.P. 2474.
 la Volpe,A. 4868.
 Laasonen,E. 5012, 7374.
 Labanowski,G.S. 2759, 3420.
 LaBerge,W.E. 6652, 6993.
 Labeyrie,V. 8563.
 Labonne,G. 3810.
 Labuda,M. 512, 7685.
 Lacadena,J.R. 9682.
 Lacatusu,M. 1983, 8616.
 Lacey,L.A. 3720, 4641, 8620, 8679.
 Lachaise,D. 800.
 LaChance,L.E. 4577, 4920.
 Lackett,J.J. 4683, 6957.
 Lackie,A.M. 7487.
 Lacourt,J. 107.
 Lacroix,J.-P. 4.
 Lacroix,J.P. 2325.
 Lacy,R.C. 4971, 8187.
 Ladd,T.L., Jr. 337, 9234.
 Ladle,M. 8607.
 Lafever,H.N. 4841.
 Lafon-Cazal,M. 5262.
 Lafont,R. 207, 4318.
 Lago,P.K. 1403, 8073.
 Lagrange,E.B. 8178.
 Lagueux,M. 3674, 4528.
 Laine,K.J. 2935.
 Laing,D.R. 8451.
 Laing,J.E. 6293.
 Lainsor,R. 77.
 Laird,C.D. 4055.
 Laird,M. 4484, 7542, 7543.
 Lake,D.J. 5488.
 Lake,R.W. 1409.
 Lakhani,K.H. 6240.
 Lakhota,S.C. 3149, 4031, 4044, 7129, 7957, 7958, 8827.
 Lakovaa,S. 650, 2767, 2964, 6064, 6459.
 Lakshmanan,M. 3085, 9266.
 Lakshminarayana,K.V. 7392.
 Lal,B. 2069.
 Lal,L. 3882, 3959.
 Lal,S.S. 3061, 8745, 9626.
 Lalanee-Cassou,B. 5326, 6048.
 Lalibert,J.-L. 2243, 8065.
 Laliberte,J.-L. 1225, 2245.
 Lalitha,C.M. 2802.
 Lall,A.B. 4725.
 Lallemand,J.Y. 6052, 7514.
 Lalpotu,P.A. 1752.
 Lamas,G. 2435.
 Lamb,M.J. 1782, 4549.
 Lamb,R.C. 5226.
 Lamb,R.E. 1714.
 Lamb,R.J. 6190, 6992, 7036.
 Lamb,R.W. 9721.
 Lambdin,P. 9629.
 Lambdin,P.L. 4252, 7335, 8939.
 Lambert,H. 908.
 Lambert,L. 8626.
 Lambertsson,A. 1040, 7156.
 Lambertsson,A.G. 4027.
 Lambiasi,J.T. 992.
 Lambin,M. 4368.
 Lambrecht,F.L. 6325.
 Lambremont,E.N. 253, 6819, 8410.
 Lamie,O. 6934.
 Lamla,L. 449.
 Lamoral,B.H. 7265.
 Lamp,W.O. 486.
 Lampel,G. 7178.
 Lamprecht,I. 2004.
 Lamy,J. 3541.
 Lanciani,C.A. 6230, 9450.
 Landa,V. 206.
 Landers,M.H. 341.
 Landin,J. 1891.
 Landolt,P.J. 7537.
 Landureau,J.C. 2500.
 Landwehr,V.R. 9590.
 Lane,D. 163, 1973.
 Lane,G.A. 1141, 3794.
 Lane,I.R. 6154.
 Lane,N.J. 927, 7453.
 Laneri,J.L. 9558.
 Lanevich,N.P. 8515.
 Lanfranco,G. 4401.
 Lang,H.H. 2550.
 Lang,J.H. 2671.
 Lange,W.H. 1796.
 Langenheim,J.H. 7766.
 Langley,C.H. 5740.
 Langley,G.S. 3890.
 Langley,P.A. 1813, 1849, 2607, 2609, 4914, 7653.
 Langmaid,J.R. 6490.
 Langohr,G.R. 7205.
 Langstrom,B. 3045, 8663.
 Langworthy,M.K. 8069.
 Lanham,U.N. 3186, 7179.
 Lankinen,P. 8813.
 Lanzaro,G.C. 3252.
 Lanzavecchia,G. 7457.
 Laosinchai,B. 4297.
 Lapchin,L. 9348.
 Lapis,E.B. 326, 1884, 6055.
 Lara,F.M. 1138, 1241, 7104, 9487.
 Larink,O. 9298.
 Lariviere,M.-C. 1107, 6522, 7221, 7224.
 Laroche,S. 2553.
 Laroche,A. 3721, 6290, 6522, 7221, 7224, 7682.
 LaRochelle,P.B. 7728.
 Larroque,M. 2619, 9247.
 Larroque,M.M. 1111.
 Larsen,T.B. 854, 8050, 8647.
 Larshammar,P. 6797.
 Larson,D.J. 8940.
 Larsson,R. 994.
 Larsson,S. 6965, 6988, 7026.
 Lasebikan,B.A. 9508.
 Lashomb,J.H. 9631.
 Laska,P. 1997, 6100.
 Laskova,L.M. 2285, 5806.
 Lassota,Z. 6403.
 Last,H. 5115.
 Last,H.R. 4211, 4212, 5867.
 Laster,M. 7587.
 Lastowski,D.M. 6422.
 Lastra,R. 9493.
 Lastuvka,A. 5482.
 Lastuvka,Z., Jr. 5482.
 Laszlo,R. 8921.
 Latasa Asso,T. 3233.
 Latge,J.P. 4736.
 Latheef,M.A. 1944.
 Latil-Damotte,M. 603.
 Latimer,W. 4602, 6179, 9373.
 Latture,G. 5158.
 Ladeho,Y. 6341.
 Lauenstein,G. 5465.
 Lauer,S. 986.
 Lauga,J. 6926, 9141.
 Lauga-Reyrel,F. 3507.
 Lauge,G. 350, 2719.
 Launois-Luong,M.H. 2468, 2916.
 Launois,M. 2468, 2719, 2916.
 Lauren,D.R. 3735.
 Laurence,G.A. 3028.
 Lauterer,P. 5153, 9073.
 Lavallard,R. 2596.
 Lavandier,P. 1880.
 Laveissiere,C. 6314, 6315, 6316, 6327, 6328, 6329, 6330, 7059.
 Lavender,R.G. 9567.

- Laver, W.G. 8888.
Lavery, T.M. 1890.
Lavery, A. 3852.
Lavie, B. 2908, 9505.
Lavigne, R.J. 1110, 8564, 9388.
Lavin, D.R. 7557.
Lavoie, J. 6764.
Law, J.H. 3497, 3528, 6159.
Lawler, K.A. 4493.
Lawlor, L.R. 3851.
Lawrence, A.J. 6813.
Lawrence, J.F. 5850, 8606.
Lawrence, P.O. 6974.
Lawrey, J.D. 1162.
Lawson, F.A. 339, 1971, 7450.
Lawton, J.H. 5581, 8256, 9548.
Lazarus, J. 2941.
Lazuick, J.S. 9275.
Le Berre, J.R. 8421.
Le, C.T. 8726.
Le Guelle, L. 1715.
Le Mao, J. 1212.
Le Masne, G. 3995.
Le Moli, F. 1088.
Le Moli, F. 7908.
Le Panner, X. 537.
Le Pont, F. 1483, 1484.
Le Pont, F. 6288.
Le Rumeur, C. 5970.
Lea, A.O. 1840, 3501, 4374, 4376.
Leach, C.E. 8350.
Leach, E. 1043.
Leahy, M.G. 342, 1547, 7520.
Leake, C.J. 7859.
Leatch, G. 5654.
Leather, S.R. 4650, 9472.
Leatherman, D.A. 4706.
Lebedova, N.N. 2847.
Lebel, B. 1212.
LeBlanc, N. 1634.
Lebrun, P. 7563.
Lecanidou, R. 4021.
LeCato, L.G. 189.
Lechanteur, F. 5766.
Leclerc, P. 7262.
Leclercq, J. 844.
Leclercq, M. 735, 1370, 7196, 7198, 8914.
Leclercq, M. 3359.
Leecoq, H. 3791, 3810.
Leecoq, M. 483, 2916.
Leecordier, C. 1399, 2965.
Lecoustre, R. 4809.
Lecroisey, A. 6805.
Ledieu, M.S. 5686.
Ledoux, G. 5841.
Lee, B.-H. 5877.
Lee, B.T.O. 620.
Lee, C.-L. 5200.
Lee, C.E. 5147.
Lee Goff, M. 8973.
Lee, H.J., Jr. 6523.
Lee, H.P. 7624.
Lee, J.-K. 5267.
Lee, J.A. 7891.
Lee, J.J. 7486, 7624.
Lee, J.T. 4462.
Lee, J.W. 5774.
Lee, K.E. 3881.
Lee, K.O. 5396.
Lee, K.R. 7486.
Lee, R.E., Jr. 4468, 6933.
Lee, R.E., Jr. 509.
Lee, S.-M. 5767, 5768, 8272.
Lee, S.M. 8024.
Lee, S.S. 7496.
Lee, W.-Y. 2697.
Lee, Y.W. 5974.
Leegwater-van der Linden, M.E. 7602.
Leeper, J.R. 565, 5592, 9517.
Lees, A.D. 4560.
Lees, D.R. 1351, 9709.
Lees, G.V. 2519.
Leesch, J.G. 9290.
Leeuw, I. 198, 505, 3774.
Lefebvre, B.V. 2237.
Lefevre, G., Jr. 7155.
Lefler, S.R. 6734, 9005.
Legault, J. 1408.
Legay, J.-M. 1812.
Legendre, R. 3568.
Leger, N. 3000.
Legner, E.F. 2997, 3915, 7076, 8613.
Legrand, J.-J. 2923.
Legum, P. 1911.
Lehman, J.R. 2126.
Lehman, P.G. 532.
Lehnert, J. 8018.
Lehnert, T. 8765.
Lehrer, A.Z. 803, 804.
Leibee, G.L. 1892, 5413.
Leibovich, B.A. 1304.
Leibovich, B.A. 1295, 6395.
Leigh Brown, A.J. 593.
Leigh, T.F. 3898, 4825, 9485.
Leinaas, H.P. 3338, 7432.
Leite Filho, A.S. 1882.
Leitner, L. 8087.
Lelei, A.S. 5938.
Lelej, A.S. 9082.
Leleup, N. 5106, 5108, 5109, 6587.
Lemaire, C. 131, 729.
Lemen, C. 5556.
Lemire, A. 176.
Lemmi, M. 1243.
Lempke, B.J. 1384, 5775, 6514.
Lencina Gutierrez, F. 705.
Lengyel, J.A. 605, 2124, 2141, 4033, 7121.
Lenksy, Y. 9156.
Lenne, J.M. 8639.
Lensky, Y. 2581, 3641.
Lent, H. 5251, 8222.
Lentz, G.L. 4807.
Lentzios, G. 6404.
Lenz, M. 1816.
Leonard, D.E. 7818.
Leonardi, C. 47, 3316.
Leonato, R. 5308.
Leonide, J.C. 1121.
Lepesant, J.-A. 7127.
Lepesant-Kejzarova, J. 7127.
Leppla, N.C. 2839.
Leppla, N.C. 7420.
Leprince, D.J. 6981.
Leraut, P. 681, 687, 8143.
Lerin, J. 4691.
Leroi, B. 4593.
Lescott, T. 4340, 9264.
Lesso, M.H. 2972.
Lester, L.J. 8876.
Lester, R. 1707, 2604, 4444, 4449.
Letellier, P. 2308.
Lethika, P. 6354.
Lettère, M. 6052, 7522.
Leuschner, K. 2897.
Leuschner, W.A. 4815.
Levanidova, I.M. 5777.
Levasseur, L. 6592.
Levenbook, L. 6034.
Levenbrook, L. 3511.
Levesque, C. 1907, 6184.
Levesque, G.-Y. 1907, 6184.
Levi, H.W. 1430, 3289.
Levin, N.A. 7674.
Levine, B.I. 4060.
Levine, E. 2659.
Levine, L. 4592.
Levine, M. 7127.
Levine, R.B. 2529, 2530.
Levinson, A.R. 4453, 5702, 8432.
Levinson, H.Z. 4453, 5702, 8432, 9443.
Levis, R. 1307, 4871.
Levy, A. 4005, 4024.
Levy, M.H. 9328.
Levy, R. 1102.
Lew, A.C. 3682.
Lewis, D.J. 3247, 6199.
Lewis, D.L. 3054.
Lewis, G.C. 551.
Lewis, J.G.E. 6008.
Lewis, L.C. 9265.
Lewis, R.A. 3132, 3133.
Lewis, W.J. 8742.
Leynadier, F. 1204.
Lhoste, J. 5970.
Li Chang, S.-f. 3100.
Li, G.-z. 151, 479.
Li, K.-w. 3100.
Li, M.-h. 6150.
Li, S.-z. 3100.
Li, T.-x. 160.
Li, T.-y. 4763.
Li, Y.-p. 934, 7893.
Li, Z.-h. 4763.
Lian, C.G. 7144.
Lian, M.-l. 343.
Liana, A. 8290.
Liang, Y.T. 7507.
Liao, H.-r. 7249.
Liard, F. 6520.
Liaropoulos, C. 6341.
Liaw, G.-J. 3614.
Liberti, G. 1450.
Libion-Mannaert, M. 9197.
Libois, R.M. 8621.
Liebisch, A. 4101.
Liefstinck, M.A. 4259, 7398.
Lien, J.C. 3932, 4484.
Lienhard, C. 6699, 6700, 9511.
Lietart, M.C. 9197.
Lieverse, J.A.C. 8591.
Light, D.M. 2542.
Light, W.I.St.G. 7046.
Lijinsky, W. 4061.
Lilly, L.J. 4549.
Lillywhite, H. 7693.
Lillywhite, P.G. 6774, 7472.
Lim Boo, L. 4514.
Lim, J.K. 2162.
Lim, K.P. 2837.
Lim, S.J. 7496.
Lin, H. 9218.
Lin, N. 3897.
Lin, S. x. 62.
Lin, Z. h. 7249.
Lincoln, D.T. 7862, 8694.
Lindahl, K.Q., Jr. 9480.
Lindberg, B. 71.
Lindegard, C. 3421.
Linder, A. 7084.
Lindgren, B.S. 4443.
Lindgren, D.L. 1768.
Lindig, O.H. 2460, 6790.
Lindquist, R.K. 3040.
Lindquist, S. 1308, 3135.
Lindroth, C.H. 2307.
Lindsay, R.C. 7511.
Lineva, V.A. 327, 1801.
Ling, E. 9317.
Ling, L.C. 1706, 4441.
Lingren, P.D. 6713, 8759.
Link, D. 562, 1413, 1415.
Linley, J.R. 8489, 8539.
Linnavouri, R.E. 4104.
Linskens, H.F. 7850.
Linsley, E.G. 773, 5504.
Lints, F.A. 7165.
Linsen, B. 1678, 3526.
Liotta, G. 9456.
Lipad, J.J. 4489.
Lipscomb, C.G. 1588.
Liscia, A. 2523, 5277.
Lise, A.A. 4172.
Liska, J. 3219.
Lisowiec, F. 9536.
Liston, A.D. 106, 2840, 4278, 5011, 5528, 6483, 6669, 8918, 8919.
Liszewski, M.K. 6392.
Litsinger, J.A. 4460.
Little, E.C.S. 6922.
Little, H.F. 214, 9334.
Litvinova, N.F. 2007.
Liu, C. 5217.
Liu, C.-y. 5218.
Liu, D.-m. 160.
Liu, F. 4648.
Liu, L.-f. 4763.
Liu, L.C. 5217.
Liu, Q.-g. 4338.
Liu, R.-l. 343.
Liu, S.-s. 4341.
Liu, W.-d. 4513.
Liu, Y.-b. 3100.
Livers, R.W. 2673.
Livesey, J.L. 2562.
Livshitz, I.Z. 6553.
Lizarbe, M.A. 261, 7499.
Lizbeth, P.M. 4020.
Llewellyn, B.E. 6365.
Lloyd, D.L. 548, 6241.
Lloyd, E.P. 1556, 2059.
Lloyd, H.A. 275.
Lloyd, J.E. 4725, 5449.
Lo, Z.-c. 479.
Loan, C.C. 96, 97, 6980, 7742, 8070.
Lobbes, P. 6115.
Lobenstein, U. 5014.
Lobl, I. 2330, 6589.

- Locke, M. 1843, 4568, 8954.
 Locket, G.H. 5816, 7257.
 Lockey, K.H. 3454.
 Lockhart, B.E. 9469.
 Lockhart, W.L. 177, 9285.
 Lockshin, R.A. 5256.
 Lococo, D. 4527, 8498.
 Lodge, G.M. 1955, 5569.
 Lodhi, A.Q.K. 9516, 9518.
 Lodos, N. 2226, 5094, 5772, 6573, 6648.
 Loeb, M.J. 4529, 9343.
 Loebenstein, G. 3949.
 Loewenberg, J.Y. 7139.
 Lofgren, C. 5643.
 Lofgren, C.S. 176, 2574, 3434, 7532, 9286.
 Lofqvist, J. 7529.
 Loftus, R. 9183.
 Logan, J.A. 9528.
 Logan, P.A. 5662, 5697.
 Loginova, N.G. 9441.
 Logvinenko, V.N. 1501.
 Logvinovskaya, T.V. 8248.
 Loher, W. 4383, 5212.
 Lohm, U. 3114, 7019.
 Lohmann, H. 7397, 8923.
 Lohs-Schardin, M. 4062.
 Lohse, G.A. 8131.
 Loken, A. 2270.
 Lokki, J. 1339, 2183, 2358, 3160, 8875.
 Lombard, M.F. 9344.
 Lomer, R.A. 9370.
 Lomholdt, O. 3215.
 Lomholdt, O.C. 3379.
 Lomnicki, A. 2906.
 London, W.T. 4785.
 Londt, J.G.H. 3339, 6603.
 Long, C.E. 6437.
 Long, E.O. 6399.
 Long, G.E. 1263.
 Longenecker, G.L. 7053.
 Longenecker, H.E.Jr. 7053.
 Longergan, G. 8558.
 Longhurst, C. 1872, 5332, 9229.
 Longoni, A. 9226.
 Longstaff, B.C. 1988.
 Longworth, J.F. 3424, 5369.
 Lonn, U. 4872.
 Lonsdale, D. 3797.
 Lookhart, G. 4432, 7507.
 Loomis, E. 3768.
 Loomis, E.C. 2041.
 Loomis, R.B. 714.
 Lopatin, I.K. 1445.
 Lopatina, N.G. 4939.
 Lopes, J. 5580.
 Lopes, S.M.R. 9050.
 Lopez, F.G. 3226.
 Lopez Fernandez, C. 4058, 6410, 8806, 8822.
 Lopez, G.A. 1865.
 Lopez, J.D. 9458.
 Lopez, J.D., Jr. 1541, 8519.
 Lopushanski, S.M. 7100.
 Lorand, A. 2012.
 Lorber, B.E. 8301.
 Lord, J. 7116.
 Lord, J.C. 6083.
 Lordello, A.I.L. 9487.
 Lorimer, N. 8085.
 Los-den Hartogh, R.L. 4970.
 Loschiavo, S.R. 1548.
 Loser, S. 7800.
 Lottspeich, F. 3526.
 Loubes, C. 3592.
 Loudon, B.J. 2096, 6731.
 Loughton, B.G. 3473, 4361, 6821, 6835, 7464, 8443.
 Louis, C. 3129.
 Loukas, M. 4085, 4957, 4960, 6446.
 Lounibos, L.P. 1161, 4744, 8670, 9357.
 Lourenco, W.R. 7266.
 Lourens, J.H.M. 3609, 6094, 6101.
 Louskas, C. 6341.
 Louveaux, A. 1544.
 Louw, M. 394.
 Love, C.L. 346, 569.
 Loverre, A. 3143, 6426, 6453.
 Lovestrand, S.A. 8743.
 Low, A.M. 742.
 Lowe, H.J.B. 2896, 5623.
 Lowe, R.D.E. 1550.
 Lowe, R.E. 1562, 2039, 3426, 4834, 5643, 7825, 9329, 9339.
 Lowe, R.T. 2201.
 Lowrie, D.C. 5389.
 Loye, J.E. 8938, 9550.
 Lqkocy, A. 7888.
 Lu, K.L. 452.
 Lubega, M. 915.
 Lubin, Y.D. 1114.
 Lubsen, N.H. 4025, 9148.
 Lubzens, E. 1828, 7623.
 Lucas, J.A.W. 7200.
 Lucas, P. 8749.
 Lucchese, A. 9658.
 Lucchesi, J.C. 4885, 4924, 7132, 7932, 6675.
 Lucchini, F. 6979.
 Luce, H. 1204.
 Lucius, R. 7843.
 Luck, R.F. 1151, 1190.
 Ludwig, C. 2941.
 Lue, P.S. 2059.
 Luermans, J.M.A. 563.
 Luetkemeier, N. 1771, 3130.
 Luff, M. 1574.
 Luhan, W. 8658.
 Lukas, J. 4112.
 Luker, M.A. 1038.
 Lukhtanov, V.A. 8464.
 Lukiyanichikov, V.P. 2987.
 Lukoschus, F.S. 3273, 4151, 5053, 5804, 8093.
 Lum, P.T.M. 4559, 7583, 7643.
 Lumaret, J.P. 6937.
 Lumiaho, I. 8677.
 Lumme, J. 2194, 2964, 8801, 8813, 8878.
 Lummus, P.F. 7684.
 Lumsden, C.J. 7912.
 Luna de Carvalho, E. 5082.
 Luna Dias, A.P.A. 9584.
 Lundberg, H. 2933, 2957, 5228, 5617.
 Lundberg, S. 670, 672, 2340, 7267, 8026.
 Lunderstadt, J. 6991.
 Lundgren, B. 3114.
 Lundholm, B. 8084.
 Lundkvist, H. 3114, 7019.
 Lundquist, A. 1597.
 Luquet, G.C. 495.
 Luthy, P. 7061.
 Lutton, G.G. 3581, 9269.
 Luttrell, R.G. 3956, 6349.
 Lutz, D.A. 8537.
 Luykx, P. 7168.
 Luytjes, W. 6042.
 Luza, J.G. 3808.
 Lyman, R.F. 5743, 6419.
 Lymbery, A. 2822.
 Lynch, J.F. 4625.
 Lynch, R.E. 1244, 3802, 8729, 8735, 9265.
 Lyneborg, L. 2377.
 Lynn, D.E. 8350.
 Lyon, J. 2941.
 Lyon, J.-P. 5585.
 Lyon, J.P. 428.
 Lyon, W.F. 5046.
 Lyons, J.J. 9561.
 Lyons, L.A. 1238.
 Lysenko, O. 6846.
 Lyubomirskaya, N.V. 2138.
 Ma, E.-p. 13.
 Ma, E.-p. 14.
 Ma E.-p. 5058.
 Ma, W.C. 3762.
 Maa, T.C. 6613.
 Mabbett, T. 1963, 1977, 5635.
 Mabbett, T.H. 2777.
 Macaj, J. 2361.
 Macan, T.T. 3867.
 Macaulay, E.D.M. 7030.
 Macauley, B.J. 2969, 8780.
 Macchi, F. 9359.
 MacCollom, G.B. 5666.
 MacCuag, R.D. 5386.
 MacDonald, D.J. 1038, 8319.
 Macdonald, D.W. 726.
 Macdonald, J.A. 554.
 MacDonald, J.A. 6076.
 MacDonald, J.F. 389, 8747.
 MacDonald, R.S. 6308.
 MacFarlane, J.H. 4516.
 MacGillivray, M.E. 7617.
 MacGown, M.W. 9192.
 Macgregor-Loeza, R. 8241.
 Machado-Alison, C.E. 4743.
 Machado-Alison, C.W. 3901.
 Machard, P. 8022.
 Machida, R. 6701.
 Machin, J. 6825.
 Machotka, S.V. 196.
 Mack, T.P. 2594, 5671, 5680.
 Mackay, J.J. 5491, 7725, 7731.
 Mackay, T.F.C. 4961, 6447.
 MacKay, W.P. 3376.
 Mackay, W.P. 9448.
 Mackenroth, W.; 8432.
 Mackenzie, J.D. 8776, 9473.
 Mackenzie, P.K.I. 4799, 9405.
 Mackey, A.P. 1581.
 MacLachlan, W.B. 2249.
 MacLean, B.K. 3256.
 MacLean, D.A. 5712.
 MacLean, D.B. 3256.
 MacLean, S.F., Jr. 5773, 5782.
 MacLeod, D.M. 8691.
 MacNab, A.A. 1240.
 Macnair, M.R. 7942.
 MacNally, R. 8447.
 MacSwain, J.W. 5504.
 Macvean, C. 4606.
 Madaras, K.M. 4753.
 Madariaga, M.A. 7632.
 Madden, J.L. 8667.
 Madder, D.J. 177, 5637, 6308.
 Madder, R.H. 4040, 8851.
 Maddi, P.P. 9163.
 Maddox, J.V. 4492.
 Maddrell, S.H.P. 2571, 5293, 9196.
 Mader, D. 1108.
 Mader, H.-J. 7830.
 Madge, R.B. 2335, 7282.
 Madhavan, K. 5392, 6746.
 Madhavan, M.M. 5392, 6746.
 Madi, S.M. 6108.
 Madriaga, M.E. 503.
 Madsen, B.J. 977.
 Madsen, H.F. 977, 6096.
 Maekawa, H. 2623, 3139, 5741, 7972.
 Maeki, K. 8807.
 Maelfait, J.-P. 8655.
 Maelfait, J.P. 1085, 1086, 1166.
 Maes, F.W. 5272, 6769.
 Maeshima, J. 3166, 3542.
 Maffi, G. 4867.
 Magayarosy, A.C. 236.
 Maggesse, C. 373.
 Magis, N. 764.
 Magnarelli, L.A. 3750, 3773, 5642, 7745, 9459.
 Magnuson, N. 5790, 9756.
 Magor, J.I. 5579.
 Magrath, R. 3620.
 Magu, M.R. 8723.
 Magunacelaya, J.C. 5455.
 Magayarosy, A.C. 6237.
 Magzoub, M. 4793.
 Mahadeo, C.R. 5689.
 Mahal, G.S. 455.
 Mahal, M.S. 1959.
 Mahan, S.M. 7858.
 Maher Ali, A. 3771.
 Maheshwari, S.C. 2738, 3490, 6900.
 Mahmood, F. 480, 1203, 8523, 8684, 9346.
 Mahmoud, M.A. 7777.
 Mahmud, F.S. 3167.
 Mahnert, V. 2293, 6562, 8109, 9719.
 Mahoney, R.L. 465.
 Mahowald, A.P. 2499, 3677.
 Mahr, D.L. 7252.
 Mahr, R. 4473.
 Mahr, G.G. 7764.
 Mahrub, E. 5481.
 Mahunka-Papp, L. 8091.
 Mahunka, S. 1424.
 Mahunka, S. 2281, 2282, 4155, 6540, 6541, 6543, 6551, 8089, 8090, 8091, 8103, 8971.
 Maia, J.C.S. 2271.
 Maier, C.T. 5450.

- Maier, W.A. 7553.
Mailhot, Y. 5029.
Mailu, A.M. 2950.
Main, A.J. 442, 3935, 3936, 9745.
Maine, J.D. 4815.
Mainguet, A.-M. 8420, 8421.
Mainguet, A.M. 1544.
Maini, S. 3555, 6445.
Mair, K.H. 2025.
Maire, A. 2246, 5029, 6723, 7792, 9549.
Maiti, B. 203.
Maity, S.P. 9067.
Majak, W. 6109.
Majchrowicz, J. 279.
Majeed, Q. 1023, 6895, 8530.
Majer, J. 5127.
Majumdar, K. 7943.
Mak, J.W. 2165.
Makar, P.V. 2892.
Makarchenko, E.A. 72.
Makarova, G. Ya. 298.
Makihara, H. 2313.
Makino, S. 2105.
Maksimova, A.E. 7913.
Maksymov, J.K. 9596.
Malaisse, F. 4720.
Malaka, S.L.O. 264, 1271.
Malausa, J.-C. 5747.
Malavasi, A. 9700.
Malcolm, P. 7113.
Malde, J.A. 2800.
Maldonado Capriles, J. 3363.
Maldonado, H. 3483, 3484, 3706.
Maleville, A. 8509.
Malhotra, R.K. 1914.
Malhotra, Y.R. 8238.
Mali, A.R. 464, 541, 1980, 2706, 4555.
Malicky, H. 3411, 3818, 6703.
Malik, G.M. 7812.
Malinowski, H. 7572.
Malipatil, M.B. 3365, 8217.
Malis, L. 2026.
Mallet, J.L.B. 3839.
Mallik, R.N. 2672.
Malloch, A.J.C. 1946.
Malmqvist, B. 3755.
Malone, L.A. 6080.
Maloney, F.A. 5031.
Malotiaux, M.E. 5350.
Malpica, J.M. 4095.
Malva, C. 4868.
Malzacher, P. 6630.
Mamaev, B. 6620, 9032.
Mamayev, B.M. 1968.
Mameli, L. 7003.
Mamiatis, T. 1417.
Mamkaeva, K.A. 5538.
Mammen, K.V. 1178.
Mamon, L.A. 1030.
Manchanda, S.K. 2071, 5554.
Mandal, R.K. 6400.
Mandara, M.P. 9562.
Mandaron, P. 2727.
Mandi, K. 2306, 8996.
Mannheim, O. 4505.
Mani, G.S. 1346.
Mani, M.S. 5181, 8254.
Manicacstri, C. 8299.
Manier, J.-F. 8610.
Manjunath, D. 9271.
Mankin, R.W. 4597.
Manley, D.G. 4272.
Manly, B.F.J. 497.
Mann, G.S. 2807.
Mann, J.S. 2699.
Manna, G.K. 2154.
Mannila, R. 9142.
Manning, J.E. 2127, 4012, 7946.
Manning, M. 2176.
Manning, R.F. 1298, 1299.
Mannix, J.J. 8398.
Manoharan, T. 8403.
Manonmani, L.M. 8454.
Manoucheri, A.V. 6868.
Manoukas, A.G. 5417.
Mansell, M.W. 4294.
Mansingh, A. 1042.
Manson, D.C.M. 3070.
Mansour, F. 1235, 5632, 7686, 7810.
Mansour, M.H. 9488.
Mansour, N.A. 8474.
Mantel, P. 3465.
Manton, S.M. 4097.
Marasas, W.F.O. 7787.
Marcaillou, C. 7584.
March, R.B. 6826.
Marchal, M. 7560.
Marchette, N.J. 515.
Marchi, A. 1315, 7947.
Marchiondo, A.A. 7446.
Marciano, A.P. 881.
Marconato, J.R. 3946.
Marcos, R. 3126.
Marcus, S.R. 4427.
Marcuzzi, G. 5997.
Marek, M. 1674.
Maresin, V.M. 1833.
Margaritis, L.H. 9344.
Marggi, W. 5000, 8027.
Margiotta, J.F. 8565.
Margolies, D.C. 9473.
Margulis, L. 2830.
Mari, M. 4992.
Mari Mutt, J.A. 4219, 4220, 6597.
Marian, M.P. 8407.
Mariani, G. 6501.
Mariau, D. 4809, 7899.
Mariconi, F.A.M. 3036, 3037, 3946.
Marikovskaya, T.P. 2398.
Mariluis, J.C. 3340.
Marina, T.A. 2360.
Marini, M. 6513.
Marinkovic, D. 2927, 4086, 6442.
Marino, G. 3592.
Marino Piccioli, M.T. 2625, 3740, 6838.
Marinoni, R.C. 771, 1026, 2060.
Mariol, M.-C. 8842.
Markarian, R.K. 4863.
Markkula, M. 7098.
Markl, H. 1644.
Markl, J. 1678, 4412.
Markovetz, A.J. 4393, 8393.
Markow, T.A. 2176, 5463, 6437, 7661, 9695.
Marks, E.N. 8719.
Marks, E.P. 918, 922.
Maroef, C. 8697.
Marovic, R. 9712.
Marples, T.G. 5511.
Marques, A. 1737.
Marques, E.K. 2707.
Marri, E. 3834.
Marrone, P.G. 7439.
Marsden, D.A. 2078.
Marsh, J.L. 9667.
Marsh, N.A. 6081.
Marsh, P.M. 7353.
Marshall, A.G. 9714.
Marshall, B.D. 8074.
Marshall, J.E. 4206, 7443.
Marshall, L.D. 7655.
Marston, N.L. 8687.
Martens, J. 8496.
Martens, J.M. 4291.
Martignoni, M.E. 1001.
Martin, A.P. 6931.
Martin, B.J. 9750.
Martin, D. 7587, 9305.
Martin, D.W. 4023.
Martin, F.B. 2111.
Martin, F.G. 1966, 5266.
Martin, J. 612, 620, 4226, 6404.
Martin, J.H. 5144.
Martin, J.S. 4405, 6782.
Martin, M.-D. 1691.
Martin, M.M. 4405, 6782.
Martin Mateo, M.P. 3236.
Martin-Mateo, M.P. 5018.
Martin Mateo, M.P. 7207.
Martin Mateo, P. 7206.
Martin, P.B. 3026, 8729, 8735.
Martin, R.E. 2084.
Martin, R.R. 4462.
Martin, T.J. 1943, 2673.
Martin, W. 4382.
Martinat, P.J. 5506.
Martinez, A. 3325, 3328.
Martinez, A.J. 9265.
Martinez, C. 9682.
Martini, J. 959.
Martinka, C.A. 5675, 5680.
Martins, I.C. 8884.
Martins, L. 2984.
Martins, U.R. 772, 8127, 8128, 9002.
Martinson, D. 6642.
Maru, S. 4688.
Marwaha, K.K. 2888, 7773.
Marzari, R. 2741, 7140.
Marziano, F. 7547.
Mas, J.P. 8714.
Masad, Y. 467.
Masada, M. 1679.
Masake, R. 7858.
Mascarenhas, B.M. 9377.
Mascarin, P. 1243.
Maschwitz, U. 1727, 4438, 9391.
Maser, C. 3767, 3769, 4139, 8619.
Maser, D. 5679.
Mashanov, A.I. 7094.
Masler, E.P. 1832, 5439.
Masner, L. 841, 842, 1507, 6666, 7226.
Mason, C.E. 8938, 9550.
Mason, J.M. 4069, 7960.
Mason, L.G. 4098.
Mason, M.L. 339, 1971, 7450.
Mason, P.H. 4697.
Mason, P.J. 1301.
Mason, R.R. 9478.
Mason, R.R. 9534.
Mason, W.H. 1686.
Masry, M.M. 629, 649.
Massardo, P. 9226.
Massie, H.R. 8798.
Masson, C. 1621, 7672.
Masson, M. 8828.
Massoud, Z. 2344, 3996, 4347.
Masteller, E.C. 6940.
Masters, J.H. 128, 716.
Mastro, V.C. 5406.
Masuda, H. 1321.
Masuda, T. 558.
Masuhr, Th. 6010.
Matanmi, B.A. 6000.
Mateias, M.C. 8616.
Mateo, M.P.M. 1524.
Mateos, A. 7471.
Mateu, J. 2304, 3301, 3303, 5083.
Mathad, S.B. 9271.
Mathelin, J. 6035, 6781.
Matheny, E.L., Jr. 6726.
Mather, K. 7976.
Mather, T.N. 5626, 9754.
Mathers, D.A. 8355.
Mathew, G. 2095.
Mathew, K. 7333.
Mathew, K.P. 3078, 6226.
Mathew, R. 8251.
Mathews, R.S. 3597.
Mathieu, J.M. 3741.
Mathis, H.L. 4792.
Mathis, W.N. 801, 3341, 4234, 4235, 4236, 6612, 8189.
Mathur, A.K. 6362.
Mathur, K.C. 2863, 2866.
Mathur, S.N. 7618.
Matilde, P.M. 3766.
Matile-Ferrero, D. 7011.
Matile, L. 3353, 3354, 7311, 9045.
Matolin, S. 6140.
Matouschek, M. 7138.
Matsubara, K. 3158.
Matsuda, K. 5345.
Matsuda, M. 7169.
Matsuda, R. 5907.
Matsui, H. 963.
Matsuka, M. 3648, 4579.
Matsuki, T. 8709.
Matsumoto, A. 3660.
Matsumoto, D.E. 1628.
Matsumoto, K. 3703, 4454, 7519.
Matsumoto, Y. 4591.
Matsumura, F. 4509.
Matsumura, T. 1504.
Matsumo, M. 2160.
Matsuzawa, K. 4327.
Matter, W.J. 7119.
Matthews, E.J. 6349.
Matthews, R.W. 389, 1861.
Matthews, T.C. 8877.
Matthewson, D.D. 5382.

- Matthiesen, F.A. 5397, 9137.
Mattingly, R.L. 8608.
Mattoni, R.H.T. 3878.
Mattos, S.S. 2357.
Mattson-Djos, E. 6988.
Mattson, W.J., Jr. 4719.
Matz, G. 6047.
Mauchamp, B. 4318.
Mauk, W.L. 8484.
Maule Rodrigues, V. 9137.
Maupin, G.O. 3928.
Maura, M. 3766.
Maurand, J. 3592.
Maurer, R. 7185.
Mauries, J.-P. 5220.
Maury, E.A. 31, 33, 34, 3258, 3294, 5792.
Maurya, K.R. 5641.
Maw, M.G. 5551.
Maxwell, D.J. 7462.
Maxwell, G.D. 6760, 8370.
May, M.L. 4154.
May, R.M. 3965, 8660.
May, T.E. 4353, 5258.
Mayberry, K.S. 3973.
Mayer, D.F. 2670.
Mayer, M.S. 2603, 4597.
Mayer, R.T. 212, 3453, 4344, 4402, 6882, 7494.
Mayfield, M.R. 5561.
Mayfield, R.J. 3057.
Mayo, Z.B. 2088.
Mayse, M.A. 4325.
Mazar Barnett, B. 4551.
Mazda, T. 6062, 9692.
Mazhul, V.M. 9243.
Mazokhin-Porshnyakov, G.A. 3724.
Mazur, G.D. 2484, 2485.
Mazzini, M. 6119, 6120.
Mazzone, P. 6136, 7093, 9075, 9076, 9618.
McAlpine, D.K. 6990.
McAlpine, J.F. 8194.
McCabe, T.L. 7239.
McCaflerty, W.P. 412, 730.
McCaftrey, J.P. 2477.
McCaleb, D.C. 1685, 4557, 4567.
McCambridge, W.F. 3075, 4838.
McCann, F.V. 946, 1003.
McCarthy, B.J. 590, 1292, 4009.
McCarthy, P. 4404.
McCarthy, R.A. 6904.
McCarthy, W.J. 992.
McCarty, F.A. 873, 4457.
McCarty, J.C. 8626.
McCarty, J.C., Jr. 3107.
McCarty, M.T. 1989.
McCauley, D.E. 2185, 2186, 4966.
McClellan, W.T. 2763.
McClelland, G.A.H. 1972, 2040, 9132.
McClelland, W.T. 4857.
McClintock, J.T. 5372.
McClure, M.S. 1147, 1987, 4732, 5590.
McColl, H.P. 3499.
McCoy, E.D. 1219.
McCoy, J. 6132.
McCoy, J.R. 5404.
McCoy, R.E. 3090.
McCraw, J.T., Jr. 7696.
McCreight, J.D. 5572, 7903.
McCulloch, L. 2911.
McDaniel, B. 7243.
McDaniel, C.A. 5539, 6005.
McDaniel, C.N. 3547.
McDonald, F.J.D. 1797.
McDonald, F.J.D. 1896.
McDonald, F.J.D. 3364, 6634.
McDonald, G. 506, 6279, 8791.
McDonald, J. 2174.
McDonald, J.F. 4007, 4934, 8866.
McDonald, L.L. 265.
McDonald, P.T. 2032.
McDonough, L.M. 1699.
McEwen, F.L. 8596, 9587.
McEwen, S.E. 6036.
McFadden, T.L. 311, 2456.
McFadyen, P.J. 476.
McFadyen, R.E. 7753.
McGaughey, W.H. 1222, 1753, 3034, 3074, 7549.
McGinley, R.B. 7766.
McGinley, R.J. 1587.
McGinnis, W. 4876.
McGovern, T.P. 2669, 4450.
McGowan, M.J. 2852, 4795.
McGregor, H.E. 1049.
McGregor, S.E. 8629.
McGuire, E.J. 2716.
McHenry, W.E. 2683.
McInnis, M.L. 2252.
McIntosh, A.H. 4424.
McIntosh, B.M. 3019, 3023.
McIver, J.D. 9116.
McIver, S. 223, 2543.
McIver, S.B. 935, 1633.
McKay, J. 8889.
McKay, R.J. 3281, 3282, 3283, 3284, 3285.
McKay, S. 3564.
McKenzie, J.A. 1007, 4078, 8473, 8869.
McKenzie, T.L. 4697.
McKercher, D.G. 3010.
McKibben, G.H. 1556.
McKillop, W.B. 9114, 9131.
McKinlay, K.S. 8606.
McKinlay, R.G. 2449, 5661.
McLachlan, A. 8672.
McLachlan, A.J. 4864, 7716, 8790.
McLain, D.K. 9545.
McLaren, I.W. 6279.
McLaughlin, J.L. 2891.
McLean, I.F.G. 1333, 7999.
McLean, M.D. 2193.
McLean, R.G. 3928.
McLean, S. 6002.
McLellan, A.R. 9649.
McLeod, D.G.R. 8458.
McLeod, J.M. 1258.
McLeod, L. 3394.
McMahan, E.A. 3110.
McManus, I.C. 9696.
McMillan, B.J. 7137.
McMillan, J.H. 4320.
McMillian, W.W. 297, 6960, 7760, 9634.
McMullen, R.D. 6096.
McMurtry, J.A. 7252.
McNaidhe, F. 1174.
McNeill, J.N. 1258, 7437, 9452.
McNeill, J.C., IV. 6864.
McNew, R.W. 2852, 7897.
McNicholas, F.J. 9599.
McPherson, B.A. 5607.
McPherson, J.E. 720, 2826, 3253, 3254, 4145, 5786, 6291, 7225, 8937, 9136, 9413, 9424, 9425, 9430.
McQueen, D.J. 1647.
McVeigh, L.J. 4449, 5422.
Mead, F.W. 3811, 7822.
Mead, P.S. 7730.
Meaney, C. 7722.
Meadeiros, K.F. 9049.
Medler, J.T. 7215.
Medved, R.A. 7076.
Medvedev, L.N. 45, 4184, 5846, 8130.
Medvedev, S.G. 8925.
Meegan, J.M. 6318.
Meekings, J.S. 7757.
Meerman, J.C. 4128.
Megahed, M.M. 6259.
Megias, A. 261.
Mehler, L. 8356.
Mehra, B.P. 2966, 5436.
Mehrotra, K.N. 8466, 9155.
Mehrotra, N. 4687.
Mehrotra, P. 438, 3005.
Mehta, P.K. 183.
Mei-zhen, H. 4604.
Meibos, H. 8349.
Meier, P.G. 414.
Meifert, D.W. 1197.
Meijer, E.W. 2637.
Meijer, J. 484.
Meinander, M. 2438.
Meincke, C.C. 9176.
Meinwald, J. 402, 3704, 9214.
Meiri, H. 6011.
Meisch, M.V. 528, 1202.
Meisner, J. 4685.
Meixner, A.J. 8600.
Mekdaeng, J. 5635.
Melamed-Madjar, V. 3850.
Melber, A. 4627, 7775.
Mellanby, K. 8351.
Melli, M. 7940.
Mellini, E. 2733, 3764.
Mellink, J.J. 7490, 7927.
Mello, A.M.L.T. 7022.
Mello, E.J.R. 8476.
Mello, M.L.S. 1730, 2150, 2576, 2631, 4884, 5738.
Mello, R.P. 4565.
Mellor, P.S. 3922.
Mellors, W.K. 5487.
Melville, R.V. 104.
Menapace, D.M. 9623.
Menco, B.P.M. 6766.
Menczer, I.M. 171.
Mende, H.A. 3587, 6841.
Mendes, E.G. 6816.
Mendis, C.L. 6089.
Mendl, H. 7786.
Mendl, H. 9046.
Meneghini, D. 3351, 3352.
Menier, J.J. 3312.
Menke, A. 2382.
Menke, A.S. 377, 4264, 5941.
Menken, S.B.J. 4953, 8795, 8880.
Menon, K.V. 355.
Menon, P.K.B. 8685.
Menzel, R. 6010.
Menzie, C.A. 6388.
Menzie, C.M. 9287.
Menzies, D.R. 8768.
Meola, R.W. 3453, 3709.
Meola, S.M. 212, 1117, 4344.
Mercadier, G. 433.
Mercer, C.F. 3576, 7757.
Mercot, H. 4093.
Meredith, J. 4435, 8389.
Meredith, W.R., Jr. 1152.
Meriny, D. 7839.
Merino, M.E. 8492.
Merisuo, A.K. 6667.
Merkl, M.E. 9340.
Merkl, O. 2216.
Merkle, J.R. 9338, 9368.
Merlo, Z.E. 2253.
Merrett, P. 665.
Merritt, C.C. 4526.
Merritt, D.A. 2041.
Merritt, R.W. 1276, 4405.
Mertens, J. 7824.
Mertins, J.W. 9455.
Mesa, A. 5960.
Meselson, M. 1293, 9672.
Meshcheryakova, E.A. 6808.
Mesler, M.R. 452.
Messier, M. 5443.
Message, C.M. 7503.
Messina, F.J. 9466.
Meszaros, Z. 2234, 4753.
Metcalf, R.A. 1941, 7177.
Metcalf, R.I. 1224, 1941, 9291.
Metha, N.R. 2975.
Metselaar, D. 7859.
Metterhouse, W.W. 4749.
Metz, R.V. 3171.
Metwally, S.H. 5499.
Meuffels, H.J.G. 7309, 8031.
Mey, W. 2954, 4337, 4802, 5025.
Meyer, B. 4473.
Meyer, D.J. 8565.
Meyer, D.R. 3658, 4521.
Meyer, E. 1171, 8382.
Meyer, H.J. 3756.
Meyer, M.R. 1623.
Meyer, R.P. 1046, 1207, 4697, 6185, 9362.
Meyer-Rochow, V.B. 4373, 5264.
Meyer, S.G.E. 6043.
Meyer, W. 4358.
Meyerdirk, D.E. 1157, 3729, 6310.
Mezzanotte, R. 1315, 7947.
Mglinet, V.A. 324.
Mhalu, F.S. 9562.
Miall, R.C. 3654, 5423.
Micali, F. 2741, 7140.
Michaelis, H.N. 8010.
Michailova, P. 3348, 4908, 9036.
Michalski, J. 1583.

- Michaud, N.A. 8374.
 Micheetchev, A.N. 4184.
 Michel, K. 9179, 9180.
 Michel, M.F. 4736.
 Michel, R. 3708, 6778.
 Michelakis, S. 6302, 6355, 6998, 7097, 7828.
 Michelotti, F.W. 5233.
 Michels, M.F. 6309.
 Michelsen, V. 1468, 2353.
 Michener, C.D. 2197, 2198, 3377, 5504, 7906, 9428.
 Micieli de Biase, L. 9145, 9449.
 Micinski, B. 7876.
 Micinski, S. 7614.
 Mickoleit, G. 9104.
 Micks, D.W. 6864.
 Mielke, O.H.H. 129, 853.
 Mietkiewski, R. 279.
 Miglani, G.S. 4051.
 Migliori, A. 9493.
 Mihalache, G. 6978.
 Mihalyi, F. 9729.
 Mikheev, A.V. 1091, 1859, 4958, 8692.
 Mikkola, K. 5951.
 Miklos, G.L.G. 7934.
 Mikry, J.E. 5329.
 Miksic, R. 9017, 9020.
 Milby, M. 2983.
 Milby, M.M. 1199.
 Miledi, R. 9161.
 Miles, S.J. 608, 8472, 9698.
 Mill, P.J. 6776, 7477.
 Miller, D.E. 6272.
 Miller, E.R. 1028, 1144.
 Miller, G.L. 9395.
 Miller, J.C. 1993.
 Miller, J.R. 4452, 7120.
 Miller, J.Y. 5184.
 Miller, L.D. 2429, 5192, 5194.
 Miller, L.K. 3583, 4501.
 Miller, L.R. 9279.
 Miller, L.S. 8792.
 Miller, M.C. 7424.
 Miller, O.J. 592, 601.
 Miller, R.W. 1193, 3914, 6324, 8705.
 Miller, S. 3544.
 Miller, T.A. 196, 293, 304, 923, 2262, 5255, 5456, 8368, 8957.
 Miller, W.E. 1523, 5990.
 Millidge, A.F. 22, 23.
 Milligan, S.E. 991.
 Mills, A. 7826.
 Mills, R.B. 2883, 6958.
 Miln, A.J. 3880.
 Milne, C.P., Jr. 8753, 8754.
 Milner, R.J. 3581, 9258, 9269.
 Miloserdova, V.D. 3590.
 Milstead, J.E. 283, 284, 2066, 7085.
 Miltenburger, H.G. 573, 919.
 Mims, C.A. 8774.
 Mimura, K. 6772.
 Minami, N. 2942, 4533, 4536.
 Minar, J. 6893, 8025, 8030.
 Minch, E.W. 443.
 Minckley, W.L. 2112.
 Minder, I.F. 8524.
 Mindrinos, M.N. 9344.
 Mineo, G. 2411, 4274, 4275, 9591.
 Miner, F.D. 4839.
 Minet, J. 863.
 Mingo, E. 5010.
 Minke, B. 1632.
 Minoranski, V.A. 8690.
 Mintzer, A. 3886.
 Mirabello, E. 9591.
 Mirashima, Y. 6224.
 Mirchik, T.G. 1272.
 Mirenda, J. 2102, 3812, 9498.
 Mirenda, J.T. 3737, 3877, 8779.
 Mironiuk, W. 7502.
 Miroshnikov, A.I. 6808.
 Mirzabekov, A.D. 1306.
 Mirzoeva, N.B. 8912.
 Mishchenko, L.L. 8289.
 Mishra, A. 4044, 4750, 7129.
 Mishra, C.A. 1401.
 Mishra, D.N. 6911.
 Mishra, R.K. 948, 6114, 6155.
 Miskimen, G.W. 9184.
 Misra, M.P. 7789.
 Misra, P.N. 3051.
 Misra, S.D. 3616, 6028, 8809.
 Misra, S.S. 3959.
 Mitchell, B.K. 5273.
 Mitchell, B.L. 3245.
 Mitchell, C.J. 1217.
 Mitchell, D.J. 1803.
 Mitchell, E.B. 9340.
 Mitchell, E.R. 2606, 2839, 4837, 9223, 9237.
 Mitchell, J.A. 3434, 6343.
 Mitchell, M.R. 1713, 1716.
 Mitchell, P.L. 3680.
 Mitra, S.K. 9030.
 Mitri, S.H. 7088.
 Mitrofanov, V.G. 8874.
 Mitrofanov, V.I. 6553.
 Mitsuhashi, J. 1592, 4323.
 Mitsushashi, S. 8086.
 Mittal, O.P. 4897, 7954, 8816.
 Mitter, H. 2221.
 Mittler, S. 1048, 9666.
 Mittler, T.E. 236, 3648, 4579, 5279, 7629, 8529.
 Mityaev, I.D. 90.
 Miura, T. 1991, 2735, 6224.
 Mixer, K.S. 7928.
 Miyadai, T. 2497, 7595.
 Miyagawa, M. 1747.
 Miyagi, I. 74, 1474.
 Miyahara, Y. 7783.
 Miyakawa, Y. 5531.
 Miyamoto, F. 9256.
 Miyamoto, M. 9289.
 Miyamoto, S. 7327.
 Miyano, S. 6289.
 Miyata, T. 4508.
 Miyatake, M. 7275.
 Miyazaki, M. 2387.
 Mize, T. 6337.
 Mizell, R.F. 6951, 9631.
 Mizell, R.F., III 5972.
 Mizuno, T. 1692.
 Mizusawa, K. 1476.
 Mkhize, J. 5405.
 Mockford, E.L. 7404.
 Mocquard, J.-P. 2923.
 Moeck, H.A. 9480.
 Moekidjo, A. 5370.
 Moens, J. 5289.
 Moeur, J.E. 4726.
 Moffett, D. 3557.
 Moffett, S. 4349.
 Mogal, B.H. 464, 541, 1980, 4555.
 Mogami, K. 9686.
 Mogensen, B. 3240.
 Mogi, M. 3573, 3835, 4766, 4767.
 Moglich, M. 9394.
 Mogul, B.H. 2706.
 Mohamedsaid, M.S. 2326, 9014.
 Mohammad, F.A. 7332.
 Mohammed, A.N. 3018.
 Mohammed Ali, A.B. 3092.
 Mohan, P.M. 3472, 5260.
 Mohanasundaram, M. 3272, 7244.
 Mohandas, N. 3092.
 Mohd-Salleh, M.B. 301.
 Mohiuddin, S. 2667, 3099.
 Mohrig, W. 6620, 9032.
 Mohring, C. 9239.
 Moizuddin, M. 7328.
 Mokrushov, P.A. 215.
 Mokry, J. 3835.
 Mokry, J.E. 1553, 4496, 9573, 9574.
 Mola, Jian-Wu 4900.
 Moldenke, A.R. 3788, 3807.
 Moineaux, L. 736.
 Molloy, D. 5366, 7552, 7842.
 Molnar, I. 3653.
 Moloo, S.K. 1213.
 Molyneux, D.H. 2560, 2562, 6708, 7557.
 Monaco, R. 546, 9449.
 Monath, T.P. 1217, 2056, 9275.
 Mondal, S. 3271, 6547, 8096.
 Mondet, B. 2655.
 Monfort, B. 1181.
 Monne, M.A. 9002.
 Monsarrat, A. 2068.
 Monserrat, V.J. 4293, 5020, 7208, 7209, 7210.
 Montero, F. 968.
 Montgomery, J.C. 1284.
 Monti-Bloch, L. 7470, 7471.
 Mookerjee, A. 5427.
 Moolenbeek, W.J. 2049.
 Moon, R.D. 7551.
 Moon, W.B. 6864.
 Moore, B.P. 2310, 5845.
 Moore, D. 6013.
 Moore, J.A. 465.
 Moore, J.W. 581.
 Moore, K.M. 7348.
 Moore, M.M. 6760.
 Moore, R. 6132.
 Moore, R.F. 1675, 1756, 2451, 9113, 9616, 9632.
 Moorhouse, D.E. 191.
 Moraes, M.A.P. 9584.
 Morales Agacino, E. 4058.
 Morallo-Rejesus, B. 268, 316, 570, 7608, 9325.
 Moran, C. 4911.
 Moran, F. 968.
 Moran, V.C. 463.
 Morata, G. 7967.
 Moravcik, P. 2214.
 Morawcsik, J. 9579.
 Morcillo, G. 6413.
 Morden, R.D. 5399.
 Mordkovich, V.G. 4768.
 Mordue, W. 3508, 3654, 4435, 8396, 8956.
 Moreau, R. 3534, 6794, 7504, 9215, 9225.
 Moreno, D.S. 3637, 4456, 6056, 7429.
 Moreno Montanez, T. 1931.
 Moreteau, B. 3599.
 Moreton, R.B. 7458.
 Moretti, G.P. 4043.
 Moretto, P. 4081.
 Morgan, C.R. 6007.
 Morgan, E.D. 3664, 4314, 4433, 7528, 9250.
 Morgan, F.D. 3875, 8622.
 Morgan, J. 6350.
 Morgan, K. 4085.
 Morgan, M.J. 6479.
 Morgan, N.O. 1004, 1221.
 Morgan, P.B. 535, 9580.
 Morgan, P.J. 8396.
 Morgan, P.J.K. 5241.
 Morgante, J.S. 9700.
 Morge, G. 9048.
 Mori, A. 4766, 4767, 7607.
 Mori, K. 1872, 4453, 4458, 5324.
 Mori, L. 617.
 Moribayashi, A. 9351.
 Morihara, D.K. 9061.
 Morillas Marquez, F. 3236.
 Morimoto, K. 2301.
 Morimoto, R. 1293, 9672.
 Morisaki, M. 7500.
 Morishima, I. 951, 8419.
 Morishita, F.S. 3982.
 Morita, H. 5531.
 Moritz, M. 8961, 8992.
 Moriya, S. 4317.
 Morris, C.D. 1192, 3910.
 Morris, G.W. 5224, 5541.
 Morris, R.F. 3248.
 Morris, R.S. 1214, 1215, 1216.
 Morris, T.J. 5365.
 Morrison, G. 4765, 5395.
 Morrison, P.E. 424, 2564, 5442.
 Morrison, R.K. 3048, 7872, 8519.
 Morrison, W.P. 8560.
 Morrissey, R.E. 9198.
 Morrow, C.S. 6392.
 Morrow, J.F. 9671.
 Morse, R.A. 2106, 8785, 9643.
 Morselli, J. 4992.
 Mortin, M.A. 7155.
 Morton, R.A. 2170.
 Moscardi, F. 8582.
 Mosconi, P.B. 9347.
 Mose, J.R. 1209.
 Moseley, F.B. 8373.
 Mosely, P.R. 8640.
 Moser, H.A. 3783.
 Moshitzky, P. 7623.
 Moss, D.M. 4787.
 Mossadegh, M.S. 987.
 Mosse, E. 7611.

- Mostafa, S.A.S. 5568.
Mostafa, T.M. 5601.
Mostaghni, K. 2045.
Mota, N.G.S. 3903.
Motabar, M. 7867.
Motara, M.A. 4056.
Mote, M.I. 5266.
Mote, M.J. 931.
Moth, J.J. 8673.
Mothes, U. 6914, 8395, 8501.
Moths, U. 6811.
Motro, U. 2073.
Mott, J.J. 3822.
Mott, M.R. 4913.
Mouchet, J. 7848.
Moulinier, C. 8714.
Mound, L.A. 750, 2444.
Mount, G.A. 3008, 5980, 6317.
Mourad, A.M. 629.
Mourao, C.A. 2940.
Moure, J.S. 782, 835.
Mourgues-Schurter, L.R. 8197.
Moustafa, O.K. 9280.
Mouze, M. 219.
Moxon, L.N. 5749.
Moyer, J.H. 4442.
Mozley, S.C. 902.
Mu, C.-y. 363.
Mucha, V. 4694.
Muche, W.H. 2299.
Muchmore, W.B. 28, 29, 1438, 3292, 3293, 4180, 8987, 8989.
Mueller, A.J. 1135, 4822, 7096.
Mueller, D. 4432.
Mueller, K. 7786.
Mueller, L.D. 7982.
Mueller, U. 9278.
Muggli, J.M. 5990.
Muhle, H. 9726.
Muhlenberg, M. 7830.
Muir, W.M. 8872.
Mukai, T. 630, 1353, 7169, 9671.
Mukaiyama, F. 240, 2589.
Mukerji, D. 7618.
Mukerji, M.K. 3593, 7868.
Mukesh, D. 252, 1671, 3624.
Mukharji, S.P. 3882.
Mukherjee, A.S. 5732, 6418, 7943, 8819.
Mukherjee, T. 4031.
Mukhtar, R. 8317.
Mukiama, T.K. 644.
Mulford, B.L. 7699.
Muljarskaja, L.V. 1184.
Mulken, G.B. 2952.
Mulkey, J.R. 1131.
Mulla, M.S. 1918, 2020, 2978, 2986, 4641, 6842, 6852.
Mullen, M.A. 471, 2872.
Muller, A. 9244.
Muller, E. 9244.
Muller, F.P. 4628, 6510, 6638.
Muller, G. 2505.
Muller, H.J. 8649.
Muller, J. 718, 9741.
Muller-Liebenau, I. 2488.
Muller-Liebenau, I. 5899, 7434.
Muller, P. 2657, 7005.
Muller-Vorholt, G. 218.
Muller, W. 6991.
Mulligan, F.S., III 7626.
Mullin, C.A. 5313, 8416.
Mullinix, B.G. 3026.
Mullins, D.E. 5300.
Murna, M.H. 4717, 4761, 5589.
Mumcuoglu, Y. 1010, 2022, 2023, 2985, 3906, 6545, 7845, 7860, 8701, 8702, 8720, 8728, 9572.
Mumma, R.O. 314.
Munari, L. 3357, 6626.
Mundall, E.C. 3497, 5430.
Mungenast, F. 5602.
Municio, A.M. 254, 261, 5303, 5322, 7499, 8401.
Muniyappa, N. 9038, 9040.
Munns, T.W. 6392.
Munoz, E.R. 4551.
Munroe, D.D. 6568.
Munster-Swendsen, M. 3819, 4667.
Munstermann, L.E. 8867.
Munzarova, M. 2577.
Muona, O. 2964, 8878.
Murai, M. 1167, 5714.
Murakami, A. 4865.
Murakami, Y. 4631.
Murakoshi, S. 9126.
Muraleedharan, D. 3506, 6800, 9194.
Muraleedharan, K. 3246.
Muraleedharan, V. 6598.
Muralirangan, M.C. 1661.
Murat, M. 7620.
Murlis, J. 4445.
Murphey, R.K. 2529, 2530.
Murphy, D.D. 7382.
Murphy, D.H. 8236.
Murphy, J.W. 5674.
Murray, D.A. 8323.
Murray, E.S., (deceased) 3927.
Murray, G.A. 8625.
Murray, R.L. 4546.
Murray, R.R. 9006.
Murthy, M.S. 1929.
Murtil, V.L. 8803.
Musamukhamedova, E.B. 8452.
Mushrush, D.L. 2570.
Musick, G.L. 4546.
Muskavitch, M.A.T. 4875.
Mustata, G. 1983.
Mutchmor, J.A. 329.
Muthukrishnan, T.S. 466, 6369, 8071.
Mutuura, A. 3723, 4333, 6682, 8071.
Mwangi, R.W. 5298, 8402.
My-Yen, L.T. 7519.
Myartseva, S.N. 99, 101, 1509, 5927.
Myers, J.H. 2925, 3793, 5497, 7031.
Myrzin, A.S. 2987.
N'Doye, M. 2813.
Nabialczyk-Karg, J. 9655.
Nachapong, M. 1963, 1977, 2777, 5635.
Nacheva, I. 586.
Nachman, G. 6233.
Nachtigall, W. 1614, 9158, 9159.
Nadchatram, M. 17, 19, 2286, 5060, 6554.
Nadig, A. 142, 868.
Naehr, M. 3182.
Nagai, S. 7293.
Nagamine, M. 7033.
Nagar, S.K. 1182.
Nagasawa, H. 1694.
Nagasawa, S. 2739.
Nagashima, E. 3166, 3542.
Nagata, M. 5319.
Nagata, T. 558.
Nagel, H.G. 6222.
Nagel, P. 4135, 5084.
Nagell, B. 6797, 6949, 7483.
Nagia, D.K. 3959.
Nagpal, N. 8442.
Naguib, F. 4410.
Naguib, F.N.M. 5730.
Naguro, T. 3147.
Nahed, R. 8233.
Naheed, R. 7345, 9470.
Natesan, R.P. 3543.
Naidu, R. 6987.
Nair, A.M.G. 2586.
Nair, K.K. 9352.
Nair, K.P.V. 1178.
Nair, M.R.G.K. 1883, 3078, 3964, 6226, 6253, 6335.
Nair, N.R. 2946, 3073.
Nair, R.B. 6832, 6833.
Nair, S.S. 1178.
Nair, V.S.K. 6137.
Nakagaki, M. 3166.
Nakagawa, H. 9769.
Nakagawa, K. 4458.
Nakahara, S. 8239, 9072.
Nakahashi, G. 4258.
Nakajima, F. 5996.
Nakajima, S. 3649.
Nakamori, H. 6916.
Nakamura, H. 1836, 8577.
Nakamura, M. 7389, 7444.
Nakanishi, K. 4446, 9256.
Nakanishi, N. 6079.
Nakano, O. 1233, 2984, 3944, 4811.
Nakashima, T. 1905.
Nakashima-Tanaka, E. 1047, 1344, 1345, 3158, 9292.
Nakasone, S. 2445.
Nakasui, F. 2953.
Nakatomi, K. 126, 8271.
Nakatsuchi, Y. 6153.
Nakavachara, V. 8829.
Nakayama, K. 2984, 4918.
Nakayama, R. 6710.
Nakayama, S. 941.
Nalinakumari, T. 6354.
Nam, S.-H. 274.
Nambiar, R. 8861.
Namjung, J. 5764.
Nanda, B. 8636.
Nanda, G.S. 455, 9635.
Nandagopal, V. 6227.
Nandi, B.C. 7447.
Nandy, S.C. 4421.
Nannelli, R. 9434.
Naoki, H. 9256.
Napp, D.S. 770, 890, 891, 905.
Naqvi, A.H. 5436.
Naqvi, S.N.H. 250.
Nara, J.M. 7511.
Narang, N. 7171.
Narang, R.C. 1311, 8811, 8825.
Narang, S. 7171, 8800, 9668.
Narasimhamurti, C.C. 4497, 6851.
Narasubhai, A.V. 8354.
Narayan Singh, R. 6144.
Narayanan, A.I. 3971.
Nardi, M. 3600.
Narendran, T.C. 8247.
Narmatov, K.h.A. 3838.
Narshuk, E.P. 5124, 7318.
Nash, D. 3529, 3530, 3537, 5320.
Nasmyth, K.A. 4019.
Nasr, S.A. 5371.
Nassar, S.G. 3648.
Nasseh, M.O. 6141.
Nassif, M. 7069.
Nassig, W. 7217, 8042.
Nast, J. 2225.
Naidu, R. 6135.
Nath, A. 3633, 8466.
Nathan, M.B. 7070, 8435.
Nation, J.L. 7534.
Naton, E. 7571.
Natori, S. 952, 7491.
Natori, T. 9769.
Natze, J.E. 4009.
Nau, B.S. 4985.
Nault, L.R. 1951, 3784, 3975.
Naumann, C.M. 4290, 9529.
Naumann, I.D. 1507.
Naumann, S. 4290.
Naumov, V.L. 1206, 2035.
Navarajan, A.V. 5547.
Navarrete Lopez-Cozar, I. 1931.
Naviaux, R. 6518.
Navon, A. 1066, 3433, 7564.
Naya, Y. 9256.
Nayak, B. 2723.
Nayar, J.K. 507, 1799, 3905, 6909.
Nazarova, Sh. 8916.
Nazeer Ahmed, S. 6851.
Neal, R.A. 4796.
Nebeker, T.E. 320, 5972, 6951, 9120.
Neboiss, A. 155, 6706.
Nechols, J.R. 5660, 6877.
Neck, R.W. 5573.
Nedbalova, V. 4679.
Nedergaard, S. 7488.
Nedopekina, S.F. 1700.
Neel, J.K. 3118.
Neff, S.E. 920.
Negishi, T. 1704, 2092, 4458.
Negoro, H. 4728, 4729.
Negrobob, O.P. 1469, 1477, 2360.
Neil Horton, G.A. 4989.
Neil, K. 717.
Neill, W.E. 7813.
Neilsen, E.S. 1519.
Neissess, J. 2644.
Nelen, E.S. 7544.
Nell, H.W. 5548.
Nellet, S.M. 6423.
Nelson, B. 7085.
Nelson, C.H. 5213, 7403.
Nelson, D.R. 6005, 6795, 9154.

- Nelson, F.R.S. 2018.
 Nelson, G.H. 4186, 4187.
 Nelson, J.H. 6850, 9200.
 Nelson, J.M. 6475.
 Nelson, M. 7767.
 Nelson, M.C. 369.
 Nelson, R.L. 1199, 3430.
 Nelson, W.A. 3920.
 Nema, K.K. 6073.
 Nemeć, V. 335.
 Nemny, N.E. 2678, 2884, 3598.
 Nemoto, H. 4993, 7102.
 Nenon, J.P. 7732.
 Nentwig, W. 423.
 Nepesova, M.G. 6505.
 Nepomnyashchikh, V.A. 6180.
 Neron, D. 9753.
 Neronov, V.M. 4798.
 Nes, W.R. 8405.
 Nesbitt, B.F. 1707, 2604, 4444, 4449, 7092.
 Neto, S.S. 494.
 Nettles, V.F. 7749.
 Nettles, W.C., Jr. 1137.
 Neubauer, J. 178, 2578, 4843.
 Neuenschwander, P. 5631, 6302, 6355, 6998, 7097, 7828, 7900.
 Neufeld, R. 6109.
 Neuhoﬀ, V. 4358.
 Neumann, R. 1757.
 Neumark, S. 3425, 3939.
 Neumeier, C. 3699.
 Neunzig, H.H. 7440.
 Neveu, A. 4856, 7240.
 Nevill, E.M. 3019, 5878.
 New, T.R. 406, 1094, 6687, 6697.
 Newbery, D.McC. 485, 1949, 2886.
 Newlands, G. 4171.
 Newman, G.G. 2002.
 Newsom, L.D. 4836, 8758.
 Newson, H.D. 5032.
 Newton, R.M. 3021.
 Newton, A.F., Jr. 8606.
 Newton, J.R.L. 2695, 4354.
 Newton, W.G. 5658.
 Nguyen, N.T. 7873.
 Nguyen, T.X. 9141.
 Niaz, S. 4941, 8513.
 Nicholas, F.W. 4083, 8797.
 Nickel, C. 7966.
 Nickerson, J.C. 2447, 7822.
 Nicolaro, M.-L. 8552.
 Nicolas, G. 8517.
 Nicolay, S.S. 5190, 5195.
 Nicolson, S.W. 4472, 6032, 6828, 6829.
 Nicotra, F. 246.
 Niculescu, E.G. 4284.
 Niculescu, E.V. 858, 6677.
 Niedl, J. 1371.
 Niehuis, M. 4134, 8116.
 Nielsen, B.O. 2465.
 Nielsen, D.G. 9468.
 Nielsen, E.S. 2421, 2422, 7374.
 Nielsen, M. 1724.
 Nielsen, M.G. 4734, 9212.
 Nielsen, R.A. 4545, 7694.
 Nielsen, S.A. 2465.
 Nielsen, T.R. 2373, 7320.
 Nielson, M.W. 818, 1497, 8230.
 Niemela, P. 2935, 9142.
 Niemeyer, H.M. 3808.
 Niemierko, W. 3539.
 Nieminen, A. 3221.
 Niesiolowski, S. 4853, 7040.
 Nigro, L. 1373.
 Nijijima, K. 4721.
 Nijholt, W.W. 263.
 Nijhout, H.F. 3679, 5334, 5335, 8491, 8520.
 Nijhout, M.M. 5323.
 Nijveldt, W. 663.
 Nikam, P.K. 5173.
 Niki, Y. 8847.
 Nikitsky, N.B. 2476, 2482.
 Niklasson, M. 3173.
 Nikolayev, G.V. 4209.
 Niles, G.A. 1131.
 Nilsson, A.N. 5593, 7281.
 Nilsson, L.A. 3799.
 Ninaki, O. 4015.
 Nirmala Kumari, K.R. 9138.
 Nisbet, R.M. 2944.
 Nishida, G.M. 4258, 4295.
 Nishida, R. 2887.
 Nishitsutsuji-Uwo, J. 995, 7569.
 Nishijima, Y. 5231.
 Nishikawa, M. 6079.
 Nishino, C. 1697, 3480, 9232.
 Nishio, J.Y. 3637.
 Nishio, K. 4004.
 Nishitsutsuji-Owo, J. 2649.
 Nix, C.E. 4061.
 Njio, K.D. 6754.
 Noble, L.L. 4442.
 Noda, H. 7606.
 Noda, M. 6722.
 Nogge, G. 3016.
 Noiman, S. 5295.
 Nolan, E.S. 5675, 5701.
 Nolan, R.A. 1751, 3492, 3573, 4484.
 Noll, M. 4005, 4024.
 Nonomura, Y. 9686.
 Noor, A. 2080.
 Norden, B. 271.
 Nordheim, E.V. 7015.
 Nordin, G.H. 340.
 Nordin, J.H. 6904.
 Nordlander, G. 5166.
 Nordlund, D.A. 8742.
 Norick, N.X. 4814.
 Norman, R.A. 2169, 4937, 7161, 7163.
 Norris, D.M. 7650.
 North, F. 7693.
 North, R.C. 7836.
 Norton, R.A. 8001.
 Norval, R.A.I. 3022, 4799, 7827, 9405, 9427.
 Nosek, J. 6696, 7685, 7846.
 Nothel, H. 4901.
 Nouaud, D. 7978.
 Novak, I. 333, 875.
 Novak, J.A. 376, 7750.
 Novak, L. 976, 7515.
 Novak, M. 2047.
 Novak, R.J. 4758, 7664, 9552.
 Novak, T. 9127.
 Novoa, F. 42, 3302.
 Novy, J.B. 4968.
 Nowacka, W. 4489.
 Nowak, W. 1583.
 Nowel, M.S. 9167.
 Nowell, W.R. 4232.
 Nowicki, S. 402.
 Nowosielski-Slepown, B.J.A. 2708.
 Noyes, J.S. 4266.
 Nubel, B.K. 3687.
 Numata, H. 3663.
 Nuorteva, P. 1160.
 Nuorteva, S.-L. 1160.
 Nur, U. 7153.
 Nurakhzhanova, G.N. 4487.
 Nurthen, R.K. 4035.
 Nusslein-Volhard, C. 3153.
 Nutting, W.B. 2845, 7242, 8093.
 Nutting, W.H. 7277.
 Nutting, W.L. 1078, 2830.
 Nuzzaci, G. 231, 546, 1657.
 Nwadiogbu, N. 6041.
 Nye, I.W.B. 798, 856, 5197.
 Nyffeler, M. 9527.
 Nyrop, J.P. 2961.
 O'Brien, C.W. 2317.
 O'Brien, K.M. 5498.
 O'Brien, L.M. 3924.
 O'Brien, R.D. 6090.
 O'Brien, R.W. 5291, 6036.
 O'Byrne-Ring, N. 4935.
 O'Connor, B.M. 6548.
 O'Connor, J.D. 595, 1832, 3528, 5439.
 O'Connor, J.P. 2481, 3413, 4990, 8016.
 O'Connor, M.A. 4990.
 O'Connor, R.J. 1560, 1561.
 O'Dell, G.V. 2852.
 O'Doherty, J. 983.
 O'Donnell, I.J. 2996.
 O'Donnell, M.J. 2680.
 O'Dowd, D.J. 3796.
 O'Flynn, M. 1009.
 O'Flynn, M.A. 191.
 O'Keefe, L.E. 8625, 9195.
 O'Loughlin, G.J. 3057.
 O'Meara, G.F. 9357.
 O'Neill, K.M. 1188.
 O'Neill, K.M. 4642.
 O'Shea, M. 2532.
 O'Shea, R. 1492, 5134, 8212.
 O'Toole, T.E. 6782.
 Oakley, J.N. 9617.
 Oatman, E.R. 6370, 7894, 9451.
 Obasaju, M.F. 522.
 Obata, T. 9490.
 Obenchain, F.D. 1547.
 Oberlander, H. 1043, 8350.
 Obrtel, R. 9547.
 Obrycki, J.J. 9337.
 Ocama, J.G.R. 7858.
 Ocana, J. 8873.
 Ochiai, H. 637.
 Ochman, H. 3173.
 Ochoa, 7027.
 Ochoa, A.J.O. 6959.
 Ochoa, J.O. 9569.
 Ochs, G. 9011.
 Oda, A. 40.
 Oda, T. 2756, 3912, 4776, 7607, 8558.
 Odell, T.M. 6057, 7421.
 Odendaal, M. 7815.
 Odom, D. 2066, 7085.
 Odesius, R. 8371.
 Oehler, D.D. 2929.
 Oehlschlager, A.C. 1128.
 Oei, K.G. 7859.
 Oertli, J.J. 3783.
 Oetting, R.D. 3982, 6351.
 Ogaki, M. 1047, 1344, 1345, 9292.
 Ogata, M. 3001.
 Ogawa, H. 5307.
 Ogston, C.W. 4785.
 Ogunji, F.O. 9336.
 Ogunwolu, E.O. 187.
 Ohara, K. 2374.
 Ohara, S. 8709.
 Ohba, M. 4494.
 Ohhashi, T. 9769.
 Ohigaku, C.E. 3102.
 Ohinata, K. 276.
 Ohkubo, N. 4156.
 Ohmachi, T. 8438.
 Ohmart, C.P. 8693.
 Ohmura, K. 1374.
 Ohnesorge, B. 5460.
 Ohnishi, E. 1692.
 Ohnishi, S. 3151.
 Oho, N. 6843.
 Ohno, K. 3579.
 Ohsaki, N. 5588.
 Ohta, A.T. 3170.
 Ohta, M. 7863.
 Ohtaki, T. 1592, 9351.
 Ohtani, T. 6380, 7657.
 Okada, M. 7594, 8847.
 Okada, T. 5885, 9426.
 Okada, Y. 2953.
 Okajima, S. 8293.
 Okajima, T. 2572.
 Okazawa, T. 5894, 5896, 6621, 6959, 7027.
 Okereke, T.A. 4080.
 Okhanov, V.V. 6808.
 Okorie, T.G. 7067.
 Okot Kotber, B.M. 5407, 5420, 9350.
 Okoth, J.O. 499.
 Oku, T. 5280, 8278.
 Okubo, A. 7658, 7669, 8320.
 Okubo, K. 133.
 Okubo, S. 6429, 9311.
 Okulov, V.P. 2037, 3919.
 Okuma, C. 2292.
 Okumura, M. 7594.
 Okuno, T. 1374.
 Olaiya, J.J. 3798, 9376.
 Olberg, R.M. 8380.
 Olesen, J. 3466.
 Olexa, A. 1453.
 Olfert, O.O. 7868.
 Oliger, A.I. 2808.
 Olive, C.W. 6216.
 Oliveira, A.M. 1165.
 Oliveira, C.A.L. 3046.
 Oliveira, D.A. 3962.
 Oliveira, F.J.C. 3946.
 Oliveira Filho, J.C. 3036.

- Oliveira,G.M.F. 426, 845, 846, 2271.
- Oliveira,G.P. 2750.
- Oliver,C.G. 8850.
- Oliver,J.H.,Jr. 1547, 7598, 8514, 9697.
- Oliver,M.J. 3978.
- Oliver,P.G. 7408.
- Olivier,D. 6794.
- Olleros,T. 261.
- Ollivier,M.T. 2924.
- Oloo,G.W. 8601.
- Olsen,A.R. 8755.
- Olson,C.S. 4406.
- Olson,M.H. 3941, 6239.
- Olusu'ev,N.G. 8915.
- Oliszewska,E. 2459.
- Oliszewski,J.L. 2917.
- Olubajo,O. 273.
- Olvera,O. 4592.
- Omar,A. 640.
- Omelyuta,V.P. 8528.
- Omer,S.M. 1760.
- Omi,E.M. 234, 1002.
- Omilianowski,D.R. 4556.
- Omlin,F.X. 6366.
- Onaderra,M. 7499.
- Onishi,O. 5896, 6621.
- Onitake,K. 6875.
- Ono,H. 4173, 5895, 6561, 6622, 8983.
- Onogi,S. 450, 3113.
- Onoufriou,A. 9693.
- Onsager,J.A. 8732, 9621.
- Onwubiko,A.O. 9544.
- Onyango,P. 1750.
- Ooi,P.A.C. 4633, 7740.
- Oord,W. 8556.
- Oosterbroek,P. 9060.
- Opell,B.D. 1436, 7218.
- Opheim,M. 5015.
- Opler,P.A. 1965.
- Orchard,I. 2521, 3566, 6821, 6835, 7464, 8443.
- Orchard,V.A. 3499.
- Oreel,G.J. 2189.
- Ormieres,R. 7559, 8610.
- Orosz,A. 3739.
- Orousset,J. 3336.
- Orozco,F. 2175.
- Orr,C.W. 628.
- Orrhage,L. 7483.
- Orshan,L. 5403.
- Orsi,F.,Jr. 4811.
- Ortiz C.,I. 1631.
- Orton,C.J. 3701.
- Ortu,S. 9449.
- Osawa,T. 4993.
- Osborne,G.O. 1696.
- Osburn,R.L. 6438, 7598, 7646, 8514.
- Oschman,J.L. 6827.
- Osella,G. 1418, 6383, 8136.
- Oseto,C.Y. 2062.
- Osgood,C. 334.
- Oshima,S. 514.
- Oskarsson,H. 5540.
- Osman,O.M. 3772.
- Osman,S.F. 2875.
- Osmanti,Z. 6898.
- Ossiannilsson,F. 6531, 7350.
- Ossoinak,A. 921.
- Ostermeyer,E.C. 8587.
- Ota,A.K. 3081, 9605.
- Otake,A. 1083.
- Otero,J.C. 49, 156, 3414.
- Otesile,E.B. 522.
- Otieno,L.H. 1750.
- Ott,I. 6436.
- Otte,D. 143, 144, 6932.
- Ottens,R.J. 419, 7759.
- Ottoo,C. 4651, 6229, 8631.
- Ouedraogo,M. 3606, 6095.
- Ourth,D.D. 1748.
- Outerelo,R. 2341.
- Overall,W.L. 4639, 6091.
- Overhulser,D.L. 1252, 1253.
- Overmeer,W.P.J. 7164.
- Overshott,K.J. 5470.
- Overton,W.S. 1169.
- Ovtysharenko,V.I. 20.
- OWada,M. 8269.
- Owen,D.F. 8011.
- Owen,R.E. 1337, 1350, 3174, 6304.
- Owens,J.C. 7445.
- Owusu-Manu,E. 1156, 1862.
- Oya,S. 6784.
- Ozaki,E.T. 8303, 9334.
- Ozaki,K. 4508.
- Ozbek,H. 5550.
- Paasivirta,L. 7114.
- Pabst,G.S. 3595.
- Pacchetti,G. 9658.
- Pace,R. 56, 792, 793, 2338, 3333, 9027.
- Pace,W. 255.
- Pacey,C. 7558.
- Pacheco C.,F. 2079.
- Pachl,C. 2133.
- Pachori,R. 7881.
- Pacit,J. 5945.
- Padgett,P.D. 5535, 8683.
- Padgham,D.E. 2885, 9188.
- Padhy,K.B. 2723.
- Padua,L.E. 4494.
- Pagani,R. 5303, 5322.
- Page,M. 8463.
- Page,R.E.,Jr. 4940, 8786.
- Page,T.L. 939.
- Page,W.W. 5514.
- Pagel,R. 2638.
- Pagelson,G. 2158.
- Pages,J. 2350.
- Pages,J. 6599.
- Paggi,A.C. 3346.
- Pagula,P. 165.
- Pahwa,S. 7954.
- Pai,C.G.A. 7691, 8060.
- Paine,T.D. 7820.
- Paiva,M. 3801.
- Pajni,H.R. 2819, 3446, 4138, 9304.
- Pajot,F.-X. 1483, 1484, 6288.
- Pajot,F.X. 3125.
- Pajunen,V.I. 354.
- Pak,W.L. 1635.
- Pakhomov,A.A. 8865.
- Pakhtuev,A.I. 7094.
- Pal,A.K. 4827.
- Pal Sabhlok,V. 7950.
- Pal,V. 6420.
- Palabost-Charles,L. 6449.
- Palacios-Vargas,J.G. 9757.
- Palaniswami,M.S. 7744, 8745.
- Palaniswamy,P. 221, 4377.
- Palatroni,P. 6788.
- Palestrini,C. 55.
- Palicka,P. 2026.
- Paling,R.W. 7855.
- Palka,J. 7466.
- Pallesen,G. 679.
- Palotto,G. 3555.
- Palm,E. 679.
- Palm,T. 5114, 7298, 8059.
- Palma,R.L. 137.
- Palmer,J.M. 2444.
- Palmer,M.K. 3615.
- Palmer,T.P. 3785.
- Palmgren,P. 6001.
- Palmisano,C.T. 9570.
- Pamilo,P. 646, 8886.
- Pandare,D. 8703.
- Pandey,A. 4364.
- Pandey,B.N. 6911.
- Pandey,G.C. 6093.
- Pandey,K.N. 3516, 6820.
- Pandey,P.N. 1779, 2869, 3782, 6995.
- Pandey,S.K. 6156, 7618.
- Pandey,S.Y. 566.
- Pandian,R.S. 3489.
- Pandian,T.J. 8407.
- Pandit,N.C. 278.
- Pandya,A.P. 2975, 9401.
- Panfilova,I.M. 1717, 3563.
- Panicker,K.N. 5378, 9416.
- Paniry,V.A. 1018.
- Panis,A. 6977.
- Pankiw,P. 8591.
- Panourgias,J.N. 2164.
- Panov,A.A. 1726.
- Panov,A.A. 9169.
- Panov,A.A. 9249.
- Panova,T.M. 1729.
- Pant,C.P. 2027, 3913.
- Pant,R. 1709, 3516, 3540, 6818, 6820, 8486.
- Panwar,V.P.S. 1259, 2888, 2898, 7756, 7773.
- Papa,P. 9371.
- Papierok,B. 3591.
- Papillon,M. 3671, 9156.
- Papini,F. 9689.
- Papp,J. 1505, 4262, 4263, 5160, 6656, 8243, 8245, 8246.
- Papp,L. 1480, 4240, 6600, 8173, 8175.
- Paquin,R. 5424.
- Paradi,E. 4925.
- Paradis,R.O. 2063, 2075, 2248.
- Paraskakis,M. 5631, 6302.
- Parad,J.F. 8481.
- Pardi,L. 8570.
- Pardue,M.L. 1289, 2141, 3582, 4074, 9673.
- Pare,F. 7437.
- Parcek,B.L. 2080.
- Parentia,C.R.,Jr. 1164.
- Parentia,C.R.,Jr. 3725.
- Parent,B. 489.
- Parente,A. 6123, 6124.
- Parentzan,P. 1383.
- Parfitt,B.D. 4693.
- Parida,B.B. 8823.
- Parihar,D.R. 2795.
- Parihar,S.B.S. 2085.
- Parise,S.G. 1089.
- Park,Y.K. 8817.
- Parkash,R. 3155, 3515, 4051, 4938.
- Parkash,R. 4964.
- Parkash,R. 6793, 7971.
- Parker,C.R. 3412.
- Parker,E.D.,Jr. 6455.
- Parker,F.D. 8623, 8642.
- Parker,G.A. 3837.
- Parker,K.L. 8882.
- Parker,K.R. 440.
- Parker,R.D. 1131.
- Parkin,D.T. 632.
- Parkin,R.B. 7111.
- Parnas,I. 6011.
- Parr,M.J. 5355.
- Parra,J.R.P. 3951, 7022.
- Parrella,M.P. 5480.
- Parrott,W.L. 3107, 8626.
- Parry,B.W. 3275, 3276, 3277.
- Parry,J.A. 6465, 6467.
- Parry,J.E. 8590.
- Parry,W.H. 4646, 6066.
- Parshad,B. 5543.
- Parsons,J. 4772.
- Parsons,K.A. 6280.
- Parsons,P.A. 332, 2000, 2958, 5624, 5749, 6183, 6452, 8527, 8862, 9525, 9713, 9760.
- Partis,G.A. 4515.
- Partoatmodjo,S. 9628.
- Parui,P. 2354.
- Parvais,J.-P. 2903.
- Parveen,R. 2667.
- Parveen,T. 480.
- Parvu,C. 6508.
- Pasalu,I.C. 2863, 2866.
- Pascual 5005.
- Pascual,F. 5964.
- Pashley,D.P. 9123.
- Pasiewicz,M. 1583.
- Pasiukova,E.G. 3144.
- Pasqualini,E. 3953.
- Pass,B.C. 1892, 3438, 5413.
- Passage,M.B. 1324.
- Passera,L. 1576, 3545, 9301.
- Passoas,S. 470.
- Pasteels,J.J. 5175, 5935, 5936.
- Pasteels,J.M. 6178, 9653.
- Pasternak,M.E. 8485.
- Pasteur,N. 1772, 2135, 6866, 7570, 8309, 9701.
- Pastorok,R.A. 3752, 4862.
- Paszek,E.C. 5222.
- Patalappa 9431.
- Patana,R. 431.
- Patel,R.C. 555.
- Paterson,C.G. 1282.
- Paterson,D.R. 2872.
- Pathak,J.P.N. 6117.
- Pathak,M.D. 165, 1113.
- Pathak,P.K. 7926.
- Patil,C.C. 2645.
- Patil,T.N. 242.
- Patocka,J. 185, 893, 5995, 9097.
- Paton,R. 9279, 9654.

- Patt,J.A., Jr. 6164.
 Pattanayak, S. 7054.
 Patterson, G.W. 5240.
 Patterson, J.A. 5269.
 Patterson, J.W. 1092, 3629, 3665.
 Patterson, R.S. 1197, 9580.
 Patti, I. 571, 677.
 Patwardhan, S. 8636.
 Patwardhan, S.A. 1693.
 Paul, A.R. 4640.
 Paul, A.V.N. 5543.
 Pauli, G. 1212.
 Paulian, R. 776, 6580.
 Paulov, S. 3603.
 Paulovova, J. 3603.
 Pauly, A. 5169, 5170.
 Pausch, L.M. 5536.
 Pausch, R.D. 5536, 6262.
 Pavesi, M. 8924.
 Pavlakis, G. 5729.
 Pawar, K.L. 464, 541, 1980, 2706.
 Pawar, V.M. 1885, 3731, 3874, 5610, 9532.
 Payne, C.C. 4483.
 Payne, R. 6773.
 Payne, T.L. 873, 4457, 6049.
 Pchelkina, A. 2999.
 Peacock, A.J. 4409, 9193.
 Peacock, E.R. 2327.
 Peacock, W.J. 5726, 7933, 8488.
 Peacock, W.L. 2662.
 Peake, P.W. 4316, 4384.
 Pearce, F.L. 6813.
 Pearman, G.C. 471.
 Pearson, A.M. 597, 2125, 6408.
 Pearson, J. 1555.
 Pearson, K.G. 1620, 2515.
 Pearson, W.D. 4000.
 Pearson, W.R. 9671.
 Peart, D.H. 620.
 Pechuman, L.L. 8200, 8935.
 Pecina, P. 5062, 5063.
 Peck, P. 1341.
 Peck, S.B. 6584, 7831, 8305, 9414.
 Peckarsky, B.L. 5724.
 Peckham, D.J. 7681.
 Pedersen, R. 3767.
 Pederson, T. 7135.
 Pederzani, F. 1451, 2298, 5096.
 Pederzoli, A. 6382.
 Pedigo, L.P. 884, 1039.
 Peferoen, M. 9353.
 Pegazzano, F. 8972.
 Pegel, M. 6711.
 Peijnenburg, F.H.M. 3053.
 Peiretti, R.A. 7897.
 Pelecanos, M. 3178, 4969, 6407, 6444.
 Peleg, B.A. 8521.
 Pelhate, M. 9166.
 Pelikan, P. 6759.
 Pellegrini, M. 2128.
 Pelletier, J. 3391.
 Pelliccia, J.G. 2157.
 Pelmyr, O. 6121.
 Peloquin, J. 9552.
 Pelsue, F. 7076.
 Pemberton, G.W. 7895.
 Pendharkar, V. 5283.
 Pener, M.P. 5403.
 Peng, J.-w. 2416.
 Pengelly, D.H. 5162, 8593.
 Penikas, J. 6013.
 Penman, D.R. 1247, 1611, 6872.
 Pennington, B.A. 6169, 9447.
 Penny, N.D. 6684, 7231.
 Penzin, H. 2528.
 Pepe, I.M. 933.
 Pepi, B.M. 8944.
 Pepys, J. 3924.
 Peracoli, M.T.S. 3903, 3917.
 Percy, J. 6076.
 Pereira, M.A.Q.R. 6527, 8943.
 Pereira, M.E.A. 6809.
 Perez, C.A. 3944.
 Perez-Inigo M., C. 4998.
 Perfect, T.J. 7914.
 Pericart, J. 6636.
 Perie, N.M. 4774.
 Periquet, G. 6449, 6457.
 Periquit, G. 7975.
 Perkins, P.D. 8145, 8335.
 Perkins, W.D. 297, 9119.
 Perkins, W.E. 7772.
 Perkovsky, E.E. 58.
 Perna, B. 3740, 9642.
 Perondini, A.L.P. 617.
 Perrault, G. G. 9000.
 Perrault, G.G. 3300.
 Perrault, G.H. 3309.
 Perron, J.-M. 9204.
 Perron, J.M. 5424.
 Perron, J.P. 1032.
 Perry, J.N. 3896, 5367, 5975, 5979, 7030.
 Perveen, A. 8523.
 Pesarini, C. 36, 37, 38, 5842, 6499, 6502, 6503.
 Pescador, M.L. 2380, 5133.
 Pesho, G.R. 7903.
 Pesson, P. 7176.
 Peswani, K.M. 566.
 Petaisto, R.-L. 2089.
 Petal, J. 6381.
 Petelle, M. 1669.
 Peter, M.G. 210.
 Peters, F.P.A.M.N. 4025.
 Peters, G.B. 4923.
 Peters, H. 1104, 5986.
 Peters, H.M. 6067.
 Peters, J.G. 1490.
 Peters, K.M. 1134, 1146.
 Peters, W. 1195.
 Peters, W.L. 206, 1490, 2380, 5133, 8206.
 Petersen, C. 5789.
 Petersen, G. 3234, 9100.
 Petersen, H.D. 3062.
 Peterson, E.L. 1646, 2557, 4381.
 Peterson, R.D. 3756.
 Petit, C. 4093, 6448, 7978.
 Petitpierre, E. 5734, 8824.
 Petit, F.L. 5680, 5701.
 Petralia, R.S. 1591, 3709, 7435, 7441.
 Petri, W.H. 9344.
 Petrov, I. 6064.
 Petrova, A.D. 1272.
 Petrova, N.A. 4047.
 Petrucci, T. 255.
 Petryszak, B. 669, 2803, 3205.
 Petters, R.M. 3171.
 Pettersson, J. 2854.
 Pfaffenberger, G.S. 186, 4331, 8114.
 Pfau, H.K. 9159.
 Pfeffer, A. 3196.
 Pfenning, R. 1593.
 Pfleger, F.L. 9469.
 Pfletschinger, J. 3495.
 Pfriem, P. 6450.
 Pfuller, B. 6274.
 Pfuller, R. 6274.
 Pham, D.V. 3601.
 Phang, O.W. 529.
 Phelps, R.J. 3833.
 Philip, B.M. 993.
 Philippe, R. 4809.
 Philipsen, H. 5984.
 Phillip, B.M. 2643.
 Phillips, C.E. 7461.
 Phillips, J. 8389.
 Phillips, J.E. 2618.
 Phillips, J.E. 4435, 6065.
 Phillips, K.A. 3717.
 Phillips, S.A., Jr. 272, 3569, 6070.
 Philogene, B.J.R. 9306, 9333.
 Phinichpongse, S. 1769.
 Piatek, B. 3554.
 Picard, G. 4029.
 Piccardi, P. 9226.
 Pichon, G. 2013, 2033, 3926.
 Pichon, Y. 2519.
 Picka, J. 3195.
 Pickard, R.S. 5470.
 Pickens, L.C. 8705.
 Pickens, L.G. 1193.
 Pickett, G.H. 4693.
 Pickett, J.A. 568.
 Picman, A.K. 9189.
 Piek, T. 3465, 4353, 6754.
 Pieper, H. 2480.
 Pierce, D.A. 4885, 7932.
 Pierce, H.D., Jr. 1128.
 Pierce, N.E. 7730.
 Pierce, P.A. 1799.
 Pieronek, B. 5503, 6195.
 Pierotti, H. 3298, 4109.
 Pierre, F. 5794.
 Pierre, J. 4087.
 Piesman, J. 8671.
 Pieters, E.P. 6103.
 Pietra, P. 2523, 4369.
 Pietra, P.A.; Angioy, A.M. 5277.
 Pigon, A. 4028, 7130.
 Pijnacker, L.P. 622, 2151.
 Pike, K.S. 3966, 9595.
 Pilgrim, R.L.C. 8900.
 Pill, C.E.J. 6776, 7477.
 Pillai, J.S. 988, 3933.
 Pillai, K.B. 1178, 2946, 3073.
 Pillai, K.S. 3061, 3964, 7744, 8745, 9626.
 Pillai, M.K.K. 1846, 2139.
 Pillai, R.K. 3142, 4888.
 Pilon, J.-G. 489, 1907, 6764, 8669.
 Pimentel, D. 6281.
 Pimley, R.W. 1813, 1849.
 Pinchin, R. 7861.
 Pinchin, S.M. 2131.
 Pines, M. 1828.
 Pinheiro, F.P. 9578.
 Pinhey, E. 5750.
 Pinion, J.P. 3601.
 Pinkovsky, D.D. 8711.
 Pinnoch, D. 7085.
 Pinsdorf, W. 2641.
 Pinks, W. 4585, 6450, 8870, 8874.
 Pinson, C.K. 579.
 Pinson, J.L. 528.
 Pinto, J.D. 6186, 6826, 8150.
 Pinturea, B. 7834.
 Pintureau, B. 907, 2489, 5630, 9348.
 Piper, G.L. 7699, 9185.
 Pirone, D.J. 6275.
 Pirrotta, V. 7940.
 Pirt, S.V. 917.
 Piskunov, V. 2425, 2426.
 Pitkin, B.R. 2347.
 Pitkin, L.M. 5963.
 Pitrat, M. 3791, 3810.
 Pitre, D. 2063, 2075.
 Pitre, H.N. 2930.
 Pittino, R. 1439, 1460, 5836, 7190.
 Pitts, D.L. 6103.
 Pizzamiglio, M.A. 2448.
 Place, A.R. 7930.
 Plachter, H. 5244, 7433.
 Plagens, H. 3495.
 Plamqvist, G. 8053.
 Planas, A.M. 8044.
 Plant, R.A. 3191.
 Plante, R. 5424.
 Plantrou, J. 127, 3397.
 Plapp, F.W. 242.
 Plapp, F.W., Jr. 960, 1764.
 Plassmann, E. 5126, 8029.
 Plata-Negrache, P. 5663.
 Plateaux, L. 8777.
 Plateaux Quenu, C. 2108, 8777.
 Platia, G. 3555.
 Platnick, N.I. 761, 3280, 5073, 5818, 5820.
 Platt, S.A. 3705.
 Platts-Mills, T.A.E. 3925.
 Platz, H. 6051.
 Platzer, E.G. 2043, 6842.
 Plaut, H.N. 1235.
 Plaza, E. 4996, 4997, 7191.
 Plesnik, R. 4679.
 Plimmer, J.R. 6056.
 Ploskey, G.R. 5721.
 Plowright, R.C. 169, 1231, 1337, 2399, 3174, 6304, 6359.
 Plumley, J.K. 9286.
 Plunkett, I.G. 3895.
 Plus, N. 6086, 8453.
 Pluthero, F.G. 2466.
 Podany, C. 2312.
 Podboronov, V.M. 2999.
 Podoplelova, M.L. 4905, 4906, 7956.
 Podstavkova, S. 8468, 8469.
 Poe, S.L. 7229.
 Poe, W.E. 6790.

- Poehling, H.-M. 2622.
 Poehling, H.M. 4358.
 Poerio, E. 255.
 Poggi, R. 2269.
 Poggio, T. 4350.
 Pogue, M. 8564.
 Pohjola, L. 2194.
 Poinar, G.O., Jr. 4526.
 Pointel, J.-G. 826, 3069, 5943.
 Poirout, S. 5428.
 Pokarzhevskij, A.D. 9640.
 Pokholkova, G.V. 625, 7147.
 Pokrovskaya, I.V. 1272.
 Polenec, A. 8978.
 Polhemus, J.T. 4251, 5137, 5923.
 Polis, G.A. 3843, 3872.
 Politzar, H. 2989, 5578, 7050.
 Polivanov, S. 1341.
 Polivanova, E.N. 9307.
 Pollack, G.S. 7671.
 Pollard, E. 7784.
 Poltronieri, H.S. 1273.
 Pomerantz, M.J. 4712.
 Pomeroy, N. 169.
 Pomerski, R.J. 3207.
 Pomonis, J.G. 9200, 9465.
 Pomorski, R.J. 2220.
 Poncin, G. 5186.
 Pongs, O. 8857.
 Ponomarenko, V.V. 3162, 4939, 9691.
 Ponomarev, A.V. 8690.
 Pont, A.C. 6601, 8193.
 Pontecorvo, G. 4932.
 Poole, H.K. 9299.
 Poole, R.T. 5673.
 Poole, R.W. 8270, 9096.
 Pope, D.N. 7004, 9499.
 Pope, R.D. 2316, 7276, 7282.
 Popov, A.V. 3469.
 Popov, G.B. 3884.
 Popova, N.A. 2987.
 Poras, M. 8511.
 Porcheron, P. 3671, 9156.
 Porcinai, G.M. 9327.
 Port, G.R. 5616.
 Porter, C.C. 7360, 9752.
 Porter, G.N. 6897.
 Porter, K. 4974.
 Porter, S.D. 1998.
 Porter, T.W. 5486.
 Portin, P. 623, 7969.
 Portus, M. 1420, 2279, 5800.
 Posey, K. 420, 2686.
 Pospischil, R. 1176.
 Pospisil, L. 3012, 3934.
 Post, B.J. 7031.
 Post, D.C. 5513.
 Post, L.O. 299, 6319.
 Post, R.L. 3118.
 Postiglioni, A. 5736.
 Postlethwait, J.H. 350, 2130, 2592, 3676.
 Poston, F.L. 1039, 7782.
 Pot, W. 1804, 3156.
 Potrikus, C.J. 1925.
 Potter, D.A. 1289, 3726, 9436.
 Potter, K.N. 4501.
 Potter, M.F. 9319, 9320.
 Potter, S.S. 9674.
 Pottinger, R.P. 3948, 3968.
 Potts, M.F. 1011.
 Potvin, F. 7105.
 Pougalan, M. 7672.
 Pouvreau, A. 9220.
 Povel, G.D.E. 7991.
 Povolny, D. 3012, 3934, 8260.
 Powell, D.F. 2065.
 Powell, D.M. 9597.
 Powell, J.A. 733, 1139, 4289, 8279, 8941.
 Powell, J.R. 2191, 4592.
 Powell, M.B. 3770.
 Powell, P.K. 5247, 8111.
 Powell, R.G. 2891.
 Powell, W. 2844.
 Powers, D.A. 7930.
 Prabhakar Rao, K. 6428.
 Prabhoo, N.R. 6598, 7691, 8060.
 Prabhu, V.K.K. 3506, 6800, 9194.
 Pradhan, G.D. 2010.
 Prager, J. 2635, 8566.
 Prakash, A. 2863.
 Prakash, H.S. 2362, 6798.
 Prakash, S. 2169, 4937, 7161, 7163, 8890.
 Pralavorio, R. 6999.
 Pramanik, M.M. 3279.
 Prasad, B. 2569, 2573.
 Prasad, H. 3098.
 Prasad, O. 2520, 2534.
 Prasad, R.S. 4887.
 Prat, B. 3996.
 Prat, N. 5006, 8033.
 Pratt, G.E. 3548, 8408.
 Pratte, M. 5522, 9648.
 Pree, D.J. 2674, 2682, 8768.
 Premkumar, T. 1883.
 Prendes-Ayala, C. 5663.
 Presser, S.B. 9564.
 Preston, C.B. 648, 2177.
 Preston, W.B. 9114, 9131.
 Prestwich, G.D. 3504, 5352.
 Pretti, M.C.M. 2631.
 Preuss, G. 4113, 4114, 4115, 4116, 4117, 4118, 4119, 4120.
 Price, J.B. 1604.
 Price, J.F. 1966.
 Price, J.O. 4962, 7321.
 Price, K.R. 2075.
 Price, M.A. 6438.
 Price, N.R. 966, 6901.
 Price, P.W. 5607.
 Price, R.D. 138, 1526, 2437, 5209, 6683, 7392, 7393, 9103.
 Price, S.L. 3533.
 Pridantseva, E.A. 2987.
 Prideaux, P.L. 1728.
 Priesner, E. 1702, 6052, 7522.
 Priest, T.M. 1773, 6855, 8485.
 Prikril, R. 5381.
 Prillinger, L. 5274, 7465.
 Prince, G.J. 2958.
 Prinsloo, G.L. 9074.
 Priore, R. 9734.
 Prisnyi, A.V. 5999, 8905.
 Pritchard, G. 1895, 3416, 5597.
 Pritchett, D.W. 3955.
 Privee, H. 3668.
 Privitera, E. 4896, 9150.
 Probert, R.F. 4088.
 Prod'hon, J. 2033, 3926.
 Prokopy, R.J. 2450, 5333, 5457, 7659, 7762, 7887, 8561.
 Prola, C. 2236.
 Prose, H. 8281.
 Proux, J. 217, 9224.
 Provansal-Baudex, A. 4385.
 Proverbs, M.D. 9123.
 Provost, M.W. 507.
 Prud'homme, J.-M. 2655.
 Prudhomme, J.-C. 7124.
 Pruess, K.P. 481.
 Pruitt, G.R. 1226, 9623.
 Pryor, S.C. 4936, 8855.
 Przelecka, A. 3512.
 Pschorn-Walcher, H. 5619.
 Pudney, M. 7859.
 Pulawski, W.J. 3380.
 Pull, J. 2027.
 Pulley, P.E. 7004.
 Pulver, U. 4927.
 Puntischer, S. 6276.
 Punzo, F. 329.
 Punzo, F. 1642.
 Punzo, F. 1874, 5467.
 Pupedis, R.J. 7539.
 Pupier, R. 4127.
 Purcell, A.H. 9510, 9588, 9636.
 Puri, M.K. 3608.
 Purnell, R.E. 3931.
 Purrini, K. 1738, 1749, 2653, 4495, 7559.
 Purser, G.C. 320, 5972.
 Purvis, G. 2967.
 Puschel, S. 7503.
 Puthz, V. 5871, 5872, 6593, 8161, 8162, 8163, 8164, 8165, 9022, 9025, 9730.
 Puttaswamy, 3636, 3732, 3826.
 Putters, F.A. 1863.
 Puybroeck, S. van 4466.
 Py Daniel, V. 6623.
 Pye, A.E. 7663.
 Pyke, G.H. 1098.
 Pyle, D.W. 8858.
 Pylotus, N.A. 5253.
 Qawiyy, O.J. 3077.
 Qualset, C.O. 8412.
 Quartau, J.A. 7238.
 Quattlebaum, E.C. 996.
 Queiniec, Y. 8386.
 Quentin, R.M. 4194.
 Queren, E. 5008.
 Quicke, D.L.J. 9077.
 Quickelberge, C.D. 124, 855, 860, 864.
 Quillevre, D. 3606, 6095.
 Quinlan, J. 2402.
 Quinlan, J.F. 9558.
 Quinlan, K.K. 3983.
 Quinlan, R.J. 6857.
 Quintero M., M.T.C. 8968.
 Quintero M., T. 3257.
 Quiot, J.-M. 5356.
 Quiot, J.M. 8461.
 Quisenberry, J.H. 3817.
 Qureshi, S.A. 1006, 2667, 3099.
 Raabe, M. 3435.
 Raana, K. 4941, 8513, 8843, 9680.
 Raastad, J.E. 7687.
 Raatikainen, M. 639, 3169.
 Rabb, R.L. 4077, 5458.
 Rabbani, M.G. 8818.
 Rabbings, R. 3047, 4831.
 Rabello, E.X. 9519.
 Rabindra, R.J. 4829.
 Rabindra, R.J. 9326.
 Rabinovich, J. 1200.
 Rabinovich, J.E. 4743.
 Raboud, G. 7061.
 Rabson, M.S. 9223.
 Raccab, B. 178, 288, 2578, 3949, 4731.
 Racurt, C. 3343.
 Racheli, T. 2236, 7180.
 Rachman, N.J. 4379, 6022.
 Racine, R.R. 4873, 5740.
 Racioppi, J.V. 4386.
 Rack, G. 4161, 5054, 8102, 8971.
 Radermacher, C. 7041.
 Radi, E. 6358.
 Radouco-Thomas, C. 9204.
 Radovic, I.T. 8321.
 Radtke, H. 9217.
 Radtke, N.D. 2849.
 Radunz, L.A. J. 8948.
 Radwan, H.S. 7088.
 Radzinskaya, L.I. 2749.
 Rae, P.M.M. 8803.
 Rafaeili-Bernstein, A. 3508.
 Raff, E.C. 1302.
 Raff, R.A. 1302.
 Raffaeili, E. 1437.
 Ragazzi, E. 7518.
 Ragenovich, I.R. 9631.
 Ragge, D.R. 6693.
 Raghavan, V.V. 7628.
 Raghu Varman, A. 211.
 Raghunatha Rao, T.K. 1854.
 Raha, S.K. 3366.
 Rahakar, G.W. 3176.
 Rahman, M. 9332.
 Rahman, S.A. 6358.
 Rai, D.N. 6387.
 Rai, K.S. 4042.
 Raina, A.K. 1718, 2452, 9363.
 Raizada, R.N. 1182.
 Raj, B.T. 2064.
 Raj, K.G. 474.
 Raj, N.S. 6887.
 Raj, S.P. 3085.
 Rajadurai, S. 4421.
 Rajagopalan, P.K. 5377, 6859, 8685, 9554.
 Rajamani, S. 2866, 3087.
 Rajaram, K.P. 3092.
 Rajasekarasetty, M.R. 2153, 4052, 4963.
 Rajavelu, G. 2802.
 Rajendran, B. 4696.
 Rajotte, E.G. 5451.
 Rajput, P.S. 4051.
 Rajput, S.G. 541, 1980, 2706, 4555.
 Rakovic, M. 5112.
 Ralley, W.E. 5385.
 Ram, G. 3959.

- Ramabrahmam,P. 7498.
 Ramachandran,P. 6847.
 Ramadan,M.M. 3879.
 Ramade, F. 3599.
 Ramakrishnan,U. 1499.
 Ramalho,F.S. 1882, 1942.
 Ramamurthy,G. 7970.
 Ramamurthy,P.S. 2525, 9253.
 Raman,K.V. 6356.
 Ramavarma,K.T. 3971.
 Ramel,C. 607.
 Ramesh,S.R. 2153, 4963.
 Ramiro,Z.A. 6740.
 Ramisch,H. 8048.
 Ramkaran,A.E. 1195.
 Rammer,I.A. 2083.
 Ramos,J.R. 1942.
 Ramos,R.Y. 3199, 3200.
 Ramos,V.E. 268.
 Ramoska,W.A. 4486, 7558.
 Rampini,L. 7195.
 Rampini,M. 9001.
 Ramsay,G.W. 2260.
 Ramsdale,C.D. 306.
 Ramusino,M.C. 9658.
 Ranasinghe,L.E. 294.
 Randall,M. 9515.
 Randall,R.L. 7868.
 Randolph,S.E. 1823.
 Rangadhamaiah,K. 6975.
 Ranganath,H.A. 4950.
 Rangel,E.F. 6203.
 Ranin,O. 8917.
 Rankin,M.A. 225, 1037, 4543, 5434, 6013.
 Rankin,S. 1037.
 Rankin,S.M. 225.
 Ransom,L.J. 2141.
 Ranta,E. 2933, 2957, 5228, 5617, 5634.
 Rao,A.S. 4827.
 Rao,J.G. 1929.
 Rao,K. 1648, 1649.
 Rao,K.D.P. 7650.
 Rao,K.H. 928.
 Rao,K.S. 1006.
 Rao,N.N.R. 4498.
 Rao,P.K. 1499, 1929.
 Rao,P.N. 1740.
 Rao,P.S. 5325.
 Rao,S.N. 1471.
 Rao,T.K.R. 2556.
 Rao,V.N. 378.
 Rao,Y.R.V.J. 378, 8572.
 Rao,Y.S. 8572.
 Rao, A.K. 3874, 9532.
 Raoelison,C. 9225.
 Rapilly,M. 3315, 8129.
 Rapp,J. 524.
 Rappoport,E. 249.
 Rappoport,V.W. 3650.
 Raptut,S.G. 464.
 Rasch,E.M. 9687.
 Rashad,A. 1902.
 Rashedan,L.J. 250.
 Rasmussen,C.D. 3712.
 Rasmussen,D.E. 9625.
 Rasmussen,L.A. 5489.
 Rasmussen,S.W. 4902, 8810.
 Rasmay,A.H. 7255.
 Rasmay,M. 1133.
 Rasmay,A.P. 3380.
 Rasocha,V. 9607.
 Raspopov,P.M. 1158.
 Rassel,A. 5158.
 Rassmann,W. 9598.
 Rastegaev,Yu.M. 8717.
 Rasulovala,S.K. 6267.
 Ratanaworabhan,N.C. 8181.
 Ratcliffe,B.C. 7295, 8341.
 Ratcliffe,N.A. 942.
 Rathburn,C.B., Jr. 534, 7847.
 Rathie,K.A. 4083, 8797.
 Rathor,H.R. 307, 4941, 6863, 8513.
 Rathore,H.S. 4059, 8815.
 Rathore,V.S. 7881.
 Rathore,Y.S. 5554.
 Ratti,E. 459, 572.
 Rattner,J.B. 1310, 7142.
 Rau,G.H. 7118.
 Rauber,A.P. 3596.
 Rauchbach,K. 445.
 Rauf,A. 6336.
 Raulston,J.R. 6713, 8759.
 Raupp,M.J. 5496.
 Rausch,H. 6686.
 Rausch,M. 1744.
 Rausher,M.D. 1060, 4686, 8630.
 Raven,R.J. 5069, 6560.
 Ravizza,C. 147, 2239, 3123, 6695.
 Ravizza Dematteis,E. 3123.
 Raw,A. 1938.
 Rawat,R.R. 5479.
 Rawat,R.R. 7881.
 Rawlins,J.E. 1916.
 Rawlins,S.C. 1042.
 Ray,A. 2525, 9253.
 Ray,A.C. 299, 6319.
 Ray,C.H., Jr. 4332, 9070.
 Ray,K.K. 2414.
 Ray,T.S. 5477.
 Raychaudhuri,D. 2241, 3366, 8229.
 Raychaudhuri,D.N. 2006, 2241, 2386, 3279, 3366, 3777, 8060, 8229, 9589.
 Raymond,H. 2012.
 Raymond,H.L. 3436.
 Raymond,J.D. 6423.
 Raymundo,H.H. 5738.
 Rayner,J.M.V. 1618.
 Razakov,R.R. 2610.
 Razin,S.V. 1291.
 Raziuddin,M. 2634.
 Razowski,J. 7390.
 Read,R.W.J. 2199, 6470, 7997.
 Readshaw,J.L. 3866.
 Ready,P.D. 77, 3625.
 Reago,J.C. 299, 6319.
 Rebbert,M.L. 6399.
 Rebollar,J.L.G. 7707.
 Rechav,Y. 9404.
 Reddell,J.R. 8991.
 Reddy,A.R. 2157.
 Reddy,G. 1685, 3642, 3662.
 Reddy,G.S. 2362, 6798, 9038, 9040.
 Reddy,K.V.S. 3095.
 Reddy,M.V. 6938.
 Reddy,Y.N. 1740.
 Reddy,Y.V. 3095.
 Redfern,C.P.F. 7945.
 Redfern,R.E. 8525.
 Redi,C.A. 1063.
 Redner,J.H. 5825.
 Redolfi,I. del C. 94.
 Reed,G.L. 8512.
 Reed,H.C. 8615, 8783.
 Reed,T. 1767.
 Reep,R.L. 2535.
 Rees,H.H. 8429, 8543.
 Reeves,R.M. 173, 179.
 Reeves,W.C. 2983.
 Regalin,R. 667.
 Regenass,U. 880.
 Regier,J.C. 2484, 2485.
 Regniere,J. 9452.
 Regupathy,A. 9606.
 Reichart,C.V. 1494.
 Reichelderfer,C.F. 5372.
 Reichmuth,C. 5702.
 Reiersen,D. 5469.
 Reigel,F. 9583.
 Reinecke,J.P. 1020, 4399.
 Reinecke,M. 2548, 3481.
 Reinert,J.A. 1223, 7103.
 Reisen,W.K. 480, 1203, 4941, 7812, 8317, 8513, 8523, 8684, 9346.
 Reisman,R. 9278.
 Reisman,R.E. 3597.
 Reiss,F. 5795.
 Reissig,W.H. 565, 9517, 9599, 9619.
 Reist,J.D. 2828.
 Rejesus,R.S. 175, 238, 326.
 Remaley,S. 1670.
 Remaudiere,G. 4736.
 Rembold,H. 2720.
 Remington,M. 6850.
 Remund,U. 5987, 7651.
 Renck,B. 4503.
 Rendell,C.H. 3969.
 Renkawitz Pohl,R. 1286, 7944.
 Renner,H. 9157.
 Renner,M. 4595.
 Renou,M. 6052, 7522.
 Renshaw,E. 4762.
 Rentz,D.C.F. 4296, 4975, 5212, 6692.
 Resh,V.H. 1904, 3921.
 Ressin,W.J. 4464.
 Ressouches,A. 7527.
 Restifo,R.A. 3252.
 Retnakaran,A. 3605, 5380, 6147.
 Rettenmeyer,C.W. 1105, 8782.
 Rettich,F. 7071.
 Retzer,H.J. 1221.
 Revathy,D. 6887, 6888.
 Revels,R. 1303.
 Reviejo,I. 7210.
 Revoljon,C. 1957.
 Rexrode,C.O. 5685.
 Rey,J.R. 1219.
 Reyes-Castillo,P. 7538.
 Reymers,A. 6991.
 Reynolds,D.G. 7859.
 Reynolds,D.R. 6997.
 Reynolds,H.T. 1775.
 Reynolds,S.E. 985, 4434, 5441, 7577, 7636, 7637.
 Rezbanayi,L. 1362, 1393, 8922.
 Reznik,N.A. 6412.
 Reznikova,Zh.I. 3858.
 Rheimlaender,J. 5353.
 Rheims,L.A. 3494.
 Rheinwald,M. 6051.
 Rhodes,A.M. 1941.
 Rhomberg,L. 4617, 8632.
 Riba,M. 7514.
 Ribbing,W. 943, 944, 945.
 Ribeiro,G.T. 1266.
 Ribeiro,J.M.C. 4478, 6809, 7065.
 Ribera,A. 7632.
 Ribí,W. 224.
 Ribí,W.A. 222, 2539, 8363.
 Rice,R. 2932.
 Rice,R.E. 266, 6309, 8589.
 Rich,A. 4074.
 Rich,S.S. 2184.
 Richard,R.D. 4577, 7587.
 Richards,A.M. 360, 2441, 4658, 7713.
 Richards,G. 621, 4883.
 Richardson,B.B. 520, 2973, 6332.
 Richardson,J. 9481.
 Richardson,R.H. 5342, 5343.
 Richerson,J.V. 4457.
 Richmond,J.A. 3550.
 Richmond,R.C. 1058, 1352, 6411, 8550.
 Richter,I. 3455.
 Richter,K. 5560, 6301, 7086, 7182.
 Richter,V.A. 6744.
 Rickenbach,A. 7848.
 Rickoll,W.L. 3623.
 Rico,F.A. 3226.
 Rico,M. 2191.
 Riddell,D.C. 7137.
 Riddiford,L.M. 6168, 7589, 7939.
 Riddle,R.A. 628.
 Riddle,W.A. 8436.
 Rider,G. 7842.
 Ridge,K.A. 604.
 Ridland,P.M. 3967, 8638, 8641, 9614.
 Ridsdell Smith,T.J. 3940.
 Rieder,N. 2223.
 Riedl,H. 1558, 4823, 6106.
 Rieger,C. 9062.
 Riehle,A. 9174.
 Riemann,J.G. 7583.
 Riessen,E. 5270.
 Riessen,H.P. 4855.
 Rigby,C. 9548.
 Rigby,J. 2526.
 Rigby,R.J. 8373.
 Rijckaert,G. 7850.
 Rijsdorp,A.D. 1100.
 Riley,D. 5761.
 Riley,E.G. 8067.
 Riley,J.R. 882.
 Riley,S.F. 8817.
 Rind,F.C. 6775.
 Rinderer,T.E. 4683, 6957.
 Rindge,F.H. 5948.
 Riner,J.C. 518.
 Ring,B. 6834.
 Ring,D.R. 1029.

- Ring, R.A. 5338
- Ringo, J.M. 5462, 6919, 7157.
- Rinnhofer, G. 7203.
- Rios, A.A. 4743.
- Rioux, J.A. 9701.
- Ripley, S. 8516.
- Ripsey, I. 3190.
- Riscado, G.M. 3871.
- Risch, S. 6295.
- Rischmann, O. 7574.
- Risk, G.N. 5568.
- Riska, B. 4329, 8632, 9706.
- Ritchie, J.M. 8288.
- Ritte, U. 2908.
- Ritter, B. 6763.
- Ritter, K.S. 8405.
- Ritzmann, R.E. 5259.
- Rivera, M.A. 5679.
- Riviere, F. 2013, 2033, 3926.
- Rivnay, T. 4158.
- Rivosecchi, L. 3356.
- Rizki, R.M. 1326, 3496, 5739, 7937, 8895, 9209.
- Rizki, T. M. 5739.
- Rizki, T.M. 1326, 3496, 7937, 8895, 9209.
- Rizvi, S.J.H. 7618.
- Roback, S.S. 64, 5879.
- Robacker, D.C. 7679, 8569.
- Robbins, L.G. 599, 4874.
- Robbins, R.G. 6985.
- Robbins, R.J. 4327.
- Robbins, R.K. 5501.
- Robbins, W.E. 518, 2586.
- Roberson, J. 2460, 3429, 5404, 9322.
- Robert, J.-C. 4608.
- Robert, P. 7560.
- Robert, V. 8703.
- Roberti, D. 1705.
- Roberts, D.B. 954.
- Roberts, D.R. 9578.
- Roberts, H. 1568.
- Roberts, H.R. 5211, 7401.
- Roberts, P.E. 328, 1602, 1603.
- Roberts, R.B. 5451.
- Roberts, R.E. 4882.
- Roberts, R.H. 331, 528, 4844, 6317, 8308, 9559.
- Roberts, R.J. 3940, 3970, 3992.
- Roberts, S. 8494.
- Roberts, S.J. 6262.
- Robertson, D.F. 1269.
- Robertson, J. 3605, 5380.
- Robertson, J.L. 6092, 6860.
- Robertson, J.S. 3938.
- Robertson, L.N. 3945, 3968.
- Robertson, L.S. 8681.
- Robertson, P.L. 3701, 8974.
- Robertson, R.H. 2974.
- Robertson, T.E. 1912.
- Robertson, T.S. 4987, 9360.
- Robertson, W.D. 2666.
- Robic, D. 3538.
- Robin, Y. 3936.
- Robinsin, M.H. 351.
- Robinson, A.G. 89, 1960, 5916.
- Robinson, A.S. 5410, 5735, 8841, 9522.
- Robinson, B. 351.
- Robinson, D.J. 368.
- Robinson, D.M. 3427.
- Robinson, G.S. 865, 6680.
- Robinson, H. 8186.
- Robinson, J.F. 2456.
- Robinson, J.G. 2878.
- Robinson, J.V. 8562.
- Robinson, N.L. 2513.
- Robinson, P.J. 7410.
- Robinson, R.R. 4866.
- Robinson, W.H. 5495, 5502, 8111, 8724.
- Robinson, W.S. 451.
- Rocca, J. 7532.
- Roch, J.-F. 6521.
- Rocha Pite, M.T. 5769.
- Roche, P.J.L. 5139.
- Roche, T.E. 5316.
- Rocho, W.F. 3790.
- Rockstein, M. 9328.
- Rockwell, R.F. 7158.
- Rodd, F.H. 1231, 6304.
- Roder, G. 5897, 7199.
- Rodhain, F. 9761.
- Rodinov, A.V. 2156.
- Rodionov, A.V. 606.
- Rodman, J.E. 2894.
- Rodrigues de Andrade, H.H. 2707.
- Rodrigues, P.D. 4250.
- Rodrigues, V. 8846.
- Rodrigues, V.M. 1273.
- Rodriguez, D. 1200.
- Rodriguez, D.J. 4743.
- Rodriguez, J.G. 1011.
- Rodriguez, L.D. 1011.
- Rodriguez, N.L. 9184.
- Rodriguez, O. 3004.
- Rodriguez Rodriguez, J.A. 5005.
- Rodriguez-Rueda, D. 9273.
- Roe, R.M. 6145.
- Roehrdanz, R.L. 9675.
- Roelrich, R. 5676.
- Roelofs, W.L. 4456, 4459, 5230, 7536, 7877, 9365, 9608.
- Roeper, R.A. 2454, 5498, 5507.
- Roettgering, B. 4814.
- Roiff, J.C. 2247.
- Roger, B. 9252.
- Rogers, A.J. 1102.
- Rogers, C.E. 456, 1961, 4835, 5678.
- Rogers, D.J. 457.
- Rogoff, W.M. 4775.
- Rogueta, J. 7527.
- Rogues, G. 9262.
- Rohacek, J. 3209, 6625.
- Rohani, I.B. 713.
- Rohdendorf, B.B. 9742.
- Rohner, R.M. 3658, 4521.
- Rohrer, W. 9552.
- Rohrmann, G.F. 1001.
- Roig Alsina, A. 31, 32.
- Roitha, H. 7120.
- Roitberg, B.D. 5457.
- Roiston, L.H. 3364, 5684, 6634.
- Roltisch, W.J. 883.
- Roman, B. 7059.
- Romankov, V. 9600.
- Romer, F. 9222.
- Romig, M.C. 8202.
- Romig, T. 7843.
- Romine, C.L. 3103.
- Ronald, N.C. 7865.
- Ronchetti, F. 246.
- Rondelaud, D. 2109.
- Ronkay, L. 2234, 2860.
- Room, P.M. 501.
- Roome, R.E. 6017, 6111.
- Roomi, M.B. 8434.
- Roonwal, M.L. 749, 2418, 9716.
- Roorda, F.A. 6151.
- Roos, P. 6678.
- Root, R.B. 2789, 9466.
- Roques, A. 7074.
- Roriz, C. 7206.
- Roriz, C. 7206.
- Rosa, N.L.V. 4811.
- Rosado Neto, G.H. 783.
- Rosado-Neto, G.H. 784, 1257.
- Rosatti, T.J. 3803.
- Rosciszewski, M. 8381, 9181.
- Rose, D.J.W. 2950.
- Rose, H.S. 4287, 9304.
- Rose, M. 2196.
- Rosel, S. 5268.
- Roseler, I. 6905, 9248.
- Roseler, P.-F. 5350, 6905, 9248.
- Rosen, D. 748, 1235, 4260, 4665, 5632, 7686, 7810.
- Rosen, L. 3932, 7866, 9586.
- Rosen, T. 2011.
- Rosenberg, G. 3927.
- Rosenberg, L.J. 5579.
- Rosendahl, K. 921.
- Rosengren, M. 610.
- Rosengren, R. 610.
- Rosenzweig, E. 1018.
- Rosilio, D. 1066.
- Rosin, R. 7676.
- Rospars, J.-P. 1621, 2527.
- Rospars, J.P. 8362, 9165.
- Ross, D.H. 2827.
- Ross, G.R. 7057.
- Ross, K.G. 9444.
- Ross, M.H. 533, 4895, 4912, 7580.
- Ross, Q.E. 1191, 4758.
- Ross, T.E. 6340.
- Rossaro, B. 674, 2117, 4111, 4225, 5881, 6728.
- Rossetto, C.J. 1242.
- Rossi, W. 289.
- Rossiter, M.C. 5445.
- Rossler, Y. 1122, 5746.
- Rossler, Y. 7961.
- Rossler, Y. 7968.
- Rosswall, T. 3114.
- Roth, L. 3770.
- Rotheray, G.E. 4669, 6225.
- Rothfels, K. 8861.
- Rothschild, G.H.L. 6257.
- Rothschild, M. 2893, 3177, 5744.
- Rottger, U. 5565.
- Rotundo, G. 2394, 9228, 9371.
- Roubik, D.W. 4623, 9428.
- Roudier, A. 5095.
- Rouechdi, K.A. 6977.
- Rougan Rapuzzi, G. 9224.
- Rougeot, P.C. 4124.
- Rougon, C. 2919, 9386.
- Rougon, D. 2919, 9386.
- Rouland, C. 8522.
- Roush, R.T. 2662.
- Rousseau, A.J. 6082.
- Rousset, A. 6881.
- Routil, C. 9183.
- Roux, P. 4106, 4107, 7188.
- Rovner, J.S. 1735, 1873, 5613.
- Rowan, M.J. 924.
- Rowcliffe, C. 7656.
- Rowe, R.C. 544.
- Rowe, R.J. 4655, 6494.
- Rowell, C.H.F. 2532, 6691.
- Rowland, C.M. 9649.
- Rowland, J.M. 3291, 8991.
- Rowley, A.F. 942.
- Rowney, D.L. 6286.
- Roy, A. 3271.
- Roy, D. 6705, 8295.
- Roy, P. 403.
- Roy, R.C. 5696.
- Roy, S. 3149.
- Roy, S.P. 6387.
- Rozenov, Yu.M. 4030.
- Rozek, T. 7085.
- Rozen, J.G., Jr. 6188.
- Rozhkova, G.I. 2540.
- Rozhon, E.J. 7857.
- Rozkosny, R. 7318.
- Rozovsky, Ya.M. 6803.
- Rozsa, K.S. 5255.
- Rubin, A.L. 3477.
- Rubin, G.M. 1296, 1307, 4882.
- Rubini, P.G. 1063, 2179.
- Rubink, W.L. 4642, 7706.
- Rubino, R. 4932.
- Ruby, S.W. 4882.
- Rucker, H. 2324.
- Rucker, H.W. 4202, 4203, 5833.
- Ruckert, E. 7918.
- Ruckner, H.W. 6583.
- Rudinsky, J.A. 5354.
- Rudnick, A. 515, 525, 3247.
- Rudolph, R. 2031, 5022.
- Ruesink, W.G. 4817.
- Ruff, J. 1102, 3020.
- Ruffinelli, A. 1415.
- Ruffo, S. 3314, 9003.
- Rufli, T. 2022, 2023, 2985, 3906, 7845, 8701, 8702, 8720, 8728, 9572.
- Ruh, M.F. 7128.
- Ruhm, M.E. 7417.
- Ruiz, A. 8873.
- Ruiz, G. 1056.
- Ruiz Rejon, M. 4907.
- Ruknudin, A. 7628.
- Rumbo, E.R. 4582.
- Rumfelt, T. 4676.
- Rummel, D.R. 1226, 5670, 9623.
- Rup, P.J. 4603.
- Ruprah, N.S. 1126.
- Rusek, J. 794.
- Rush, W.A. 1933.
- Russel, C.E. 4336.
- Russell, A.B. 8259.
- Russell, F.E. 6069.
- Russell, G.B. 1141, 3794, 4562.
- Russell, M.A. 624.
- Russell-Smith, A. 6559, 7257, 7914, 7918.

- Russell, V.M. 6151.
 Russo, G. 246.
 Russo, R. 7670.
 Rust, M. 5469.
 Rust, M.K. 1768.
 Rust, R.W. 1081, 5505.
 Rustagi, K.B. 7330, 8216.
 Ruszkiewicz, M. 7876.
 Ruszkowski, A. 8041.
 Ruterjans, H. 943, 944, 945.
 Ruther, H. 7052.
 Rutledge, L.C. 2461, 5331.
 Rutowski, R.L. 3681, 3695.
 Rutti, B. 2591.
 Rutz, D.A. 1119, 7009.
 Ruud, R. 4920.
 Ryan, J. 1174, 2945.
 Ryan, L. 6708.
 Ryan, M.F. 1174, 2945.
 Ryan, R.K. 6982.
 Ryba, J. 4675.
 Rybakova, N.A. 5846.
 Rybalchenko, V.M. 1745.
 Rycaj, B. 6871.
 Rydlander, L. 4022, 4028, 4038.
 Ryerse, J.S. 6160.
 Rygg, T.D. 8603.
 Rylskiene, M. 7095.
 Ryniewicz, H.Z. 9571.
 Saad, A.-F.S.A. 6358.
 Saarenmaa, H. 396, 680.
 Saari, L. 5608.
 Saaristo, M.I. 5903, 8034, 8035.
 Saaristo, M.L. 5824.
 Saayer-Riep, J.D. 596.
 Sabatini, A.G. 3600.
 Sabatini, M.A. 6382, 6415.
 Sabatini, M.S. 1217, 9275.
 Sabrosky, C.W. 795, 1521, 2376, 8183.
 Sacchi, L. 1834.
 Sacchi, V.F. 950, 1654, 8391.
 Sachan, G.C. 5554.
 Sachan, J.N. 8744.
 Sachs, F.N. 4521.
 Sadakane, S. 9289.
 Sadana, G.L. 3278, 4167.
 Sadykov, A.S. 2610, 7566.
 Saether, O.A. 68, 181, 911, 4228, 5123, 6608.
 Safranek, L. 1051, 1850.
 Safrankova, J. 3086, 9624.
 Sagar, P. 8731.
 Sage, B. 1832, 5439.
 Sage, B.A. 595, 3528.
 Sagell, B. 2038.
 Saglio, P. 5326.
 Sah, B.N. 5436.
 Saha, A.K. 8835.
 Saha, S.K. 44.
 Sahai, Y. 1839.
 Sahni, B.K. 2871.
 Sahni, S.L. 6891.
 Sahota, T.S. 1817, 9507.
 Said, W.A. 1082, 1220, 2107, 3217.
 Saifuddin, U.T. 8523.
 Saikk, P. 3935.
 Saini, E. 5246.
 Saini, M.S. 1582, 1586, 7990.
 Saini, R.S. 1711.
 Saishu, N. 7972.
 Saito, A. 2703.
 Saito, O. 7765.
 Saito, T. 4508, 5305.
 Saito, Y. 4330.
 Saitoh, K. 8826.
 Saiz, F. 5791.
 Sakagami, S.F. 1504.
 Sakaguchi, B. 1288, 2702, 2703, 5741.
 Sakai, H. 1747, 6722.
 Sakai, M. 6822, 7283.
 Sakai, R.K. 627, 4921, 4941, 7170, 8513, 8523, 8840, 8845.
 Sakaki, I. 2990.
 Sakakibara, A.M. 93, 817, 822, 823, 824.
 Sakal, R.K. 8843, 9680.
 Sakaluk, S.K. 1856.
 Sakamura, S. 1113.
 Sakate, S. 6062, 9692.
 Sakla, A.A. 3442.
 Sako, N. 1952.
 Sakoyama, Y. 9311.
 Saks, M.E. 2057.
 Sakson, M.E. 9243.
 Sakurai, S. 1692.
 Salama, H.S. 5976.
 Salamanna, G. 4239, 5891.
 Salamon, J.-J. 2056.
 Salbert, P. 6201, 7710, 8586.
 Salceda, V.M. 4592.
 Saleemuddin, M. 5312.
 Salem, A.A. 6113.
 Salem, N.Y. 9488.
 Saleminck, C.A. 6046.
 Sales, S. 9560.
 Salgado Costas, J.M. 5087.
 Sali, A.M. 3442.
 Salkin, L.F. 6312.
 Salkoff, L. 4352.
 Salman, A. 3771.
 Salt, G. 1927.
 Saltveit, S.J. 9389.
 Saluzzo, J.F. 8713.
 Salvisberg, W. 1757.
 Samad, A. 2994.
 Samad, K. 7345, 8234.
 Samakhvalova, G.V. 8406.
 Samal, B. 3129.
 Samarawickrema, W.A. 4786, 4945.
 Samedov, N.G. 8912, 9441.
 Sammer, G. 7790.
 Samnotra, K.G. 2995, 7054.
 Sampedro, G. 8241.
 Sams, G.R. 4300.
 Samsinak, K. 8962.
 Samsinakova, A. 3586.
 Samson, P.R. 6221.
 Samuel, W.M. 439.
 Samurov, M.A. 8651.
 Samways, M.J. 1246, 7002.
 San Valentin, H.O. 6055.
 San Valentin, H.O. 9384.
 Sances, F.V. 1145.
 Sanchez Acedo, C. 7207.
 Sanchez-Covisa Villa, A. 5005.
 Sanchez, F. 4009.
 Sandeman, D.C. 1644, 2552.
 Sander, F.W. 7201.
 Sander, K. 4062.
 Sanders, C.J. 262, 4440, 9235.
 Sanders, D. 3081.
 Sanders, H.O. 2676.
 Sandhall, A. 7212.
 Sandhu, G.S. 2094.
 Sandlan, K. 2833.
 Sands, D.P.A. 100, 7379.
 Sanfilippo, N. 1451, 5855.
 Sanford, L.L. 2875.
 Sang, J.H. 8839.
 Sanger, K. 1021, 5519.
 Sanguino, J.R. 7073, 7083.
 Sanjeeva Rao, M. 6428.
 Sankey, J. 6245.
 Santa-Cruz, C. 6413.
 Santa-Cruz, M.C. 4894.
 Santagata, V. 3356.
 Santamaria, P. 3128.
 Santhakumari, K. 6335.
 Santhalakshmi, G. 6227.
 Santhoy, O. 316.
 Santiago-Alvarez, C. 7411.
 Santon, J.B. 2128.
 Santos, B.M. 3036, 3037.
 Santos, J.L. 7143.
 Santos, J.L.F. 9519.
 Santos, J.M.M. 7171.
 Santos, M. 4934.
 Santos, N.D. 6690.
 Sanudo, A. 8822.
 Sanusi, A.K. 3614.
 Sanyang, Y. 2056.
 Sanzhimitupova, R.D. 3575.
 Sapozhnikov, F.D. 2275.
 Sara, M. 5891.
 Saradamma, K. 3964.
 Saramma, P.U. 555.
 Sareen, M.L. 8505.
 Saringer, G. 6127.
 Sarmiento de Regalia, J. A. V. 5155.
 Saro, T. 6843.
 Sarojini, S. 6804.
 Sarr, M. 3936.
 Sartwell, C. 1252, 1253, 3781, 8941.
 Sarup, P. 310, 1259, 1996, 2663, 2888, 2898, 7756, 7773, 8415.
 Sarwar Jahan, M. 9332.
 Sasa, M. 3347.
 Sasaji, H. 8132.
 Sasira Babu, K. 3602.
 Sass, H. 4046, 9670.
 Sass, M. 6134.
 Sassaman, C. 645.
 Satake, K. 7013.
 Sato, A. 2730, 8430, 9467.
 Sato, H. 8383.
 Sato, M. 8709.
 Sato, R. 852, 8263.
 Sato, V.L. 4904.
 Sato, Y. 6822, 7738.
 Sattelle, D.B. 7451.
 Sattler, K. 6492, 8005, 8006.
 Sauer, B. 2126.
 Sauer, J.R. 4470.
 Saugstad, E.S. 1476.
 Saul, S.H. 4758.
 Saulitch, A.H. 1824.
 Saumweber, H. 4073.
 Saunders, D.S. 1794, 4381, 5281.
 Saunders, J.P. 529.
 Saura, A. 1339, 2183, 2358, 3160, 8875.
 Saura, A.O. 616, 4041.
 Savage, A.A. 1096, 7811.
 Savage, E.A. 7069.
 Savage, K.E. 1550, 3426, 5643.
 Savel, A. 1678.
 Savignac, R. 5029, 6723.
 Savoini, A. 7140.
 Savolainen, E. 3160, 5007, 5903, 8034, 8035.
 Savontaus, M.-L. 8838.
 Sawada, N. 7159.
 Sawadogo, R. 8727.
 Sawedal, L. 67, 76, 7308.
 Sawhney, Y. 8816.
 Saxena, A.B. 6853.
 Saxena, A.K. 322, 5533.
 Saxena, A.N. 566.
 Saxena, A.P. 2064, 2085.
 Saxena, J.D. 8475.
 Saxena, K.N. 1871.
 Saxena, R. 7610.
 Saxena, S.C. : Bhatnagar, P. 6892.
 Saxena, Y.P. 1853.
 Saxler, G. 1610, 1615.
 Sbordon, V. 4967, 9001, 9705.
 Scalenhe, F. 7940.
 Scali, V. 6119.
 Scarbrough, A.G. 8579, 8580.
 Scarone, C.A. 9558.
 Scatolini, B. 6788.
 Schaarschmidt, B. 2004.
 Schacher, A. 9288.
 Schadegg, E. 1236, 4818.
 Schaefer, C.H. 2020, 2978, 2986, 9566.
 Schaefer, C.W. 201, 458, 5134, 7539, 7994, 8448, 9134.
 Schaefer, D.A. 7028.
 Schaefer, M. 7043.
 Schaefer, P.W. 1888.
 Schaefer, T. 448.
 Schaefers, G.A. 1815, 9475, 9496.
 Schaefer, M. 7042.
 Schafer, M. 598, 6397.
 Schafer, U. 598.
 Schaffer, H.E. 630.
 Schaffner, J.C. 82.
 Schalet, A. 4045.
 Schaik, J.M. 311, 2872.
 Scharf, W.C. 5787.
 Scharloo, W. 2171, 2172, 2173, 3157.
 Schartau, W. 3526.
 Schatz-de-Zordo, I. 8665.
 Schatz, H. 3841.
 Schaubel, K. 4102, 4103.
 Schaueremann, J. 7042, 7045, 7798.
 Schawaller, W. 2294, 2334, 3202, 5829, 5830, 6563, 8988.
 Schedl, K.E. 1462, 2333, 4181, 4182.
 Schedl, P. 3129.

- Schedl, W. 5249, 8760.
Scheibelreiter, G.K. 6238, 6368.
Scheid, P. 2559.
Schein, E. 2024.
Scheller, K. 2502, 8427.
Schembri, S.P. 8019, 8058.
Schemske, D.W. 5557.
Schenck, J.L., Jr. 7782.
Schenk, J.A. 465.
Schenker, R. 7186.
Scherer, G. 3208.
Scherzinger, W. 3830.
Schiapelli, R.D. 5076.
Schicha, E. 10, 11.
Schiefer, B.A. 1560, 1561.
Schilling, P.E. 5695.
Schimitschek, E. 1940.
Schin, K. 257.
Schippers, P.H. 2637.
Schirmers, G. 8285.
Schlegel, M. 3269.
Schleger, A.V. 7862, 8694, 8700.
Schlein, Y. 3553.
Schlotthauer, J.C. 3003.
Schlunegger, B. 2591.
Schluter, U. 1720, 2565.
Schmalfuss, H. 5969.
Schmid, F. 9109.
Schmidt, C.D. 9293.
Schmidt, E. 7012, 7802.
Schmidt, E.R. 9665.
Schmidt, G.H. 4627, 7775, 9217.
Schmidt, H. 5702.
Schmidt, J.O. 4476, 6091, 8558.
Schmidt, K. 2227, 5968, 9153.
Schmidt-Koehl, W. 689.
Schmidt, O. 7644.
Schmidt, P. 4723.
Schmidt, R.S. 2659.
Schmidt, T. 2136.
Schmidtko, J. 1305.
Schmidtmann, E.T. 1124, 1887, 6963.
Schmitt, J. 4702.
Schmitz, G. 812.
Schmutterer, H. 2720.
Schnack, J.A. 8337.
Schneider, H.-J. 3526.
Schneider, J.C. 5523, 5755.
Schneider, L. 1593.
Schneider, N. 3238, 3443, 5778.
Schneider, P. 6212.
Schneider, R. 8718.
Schneider, W. 8056, 8645.
Schneiderman, H.A. 4531.
Schnetter, W. 9579.
Schniggenberg, E. 2031.
Schoenberger, M.C. 3505.
Schofield, C.J. 9512, 9535.
Scholefield, P.J. 3416, 5597.
Schon, V. 886.
Schone, H. 8048.
Schonegge, P. 9391.
Schonmann, H. 8330.
Schooneveld, H. 3668.
Schopf, R. 7508.
Schott, R.J. 1340.
Schotten, C. 6115.
Schottler, U. 3527.
Schouten, R. 4128.
Schrankel, K.R. 7640.
Schreck, C.E. 420, 2686, 3008, 4450, 9236.
Schröder, J. 4777.
Schröder, P. 429.
Schröder, R.F.W. 4749.
Schröder, D. 5566, 9529.
Schröder, L.A. 7516.
Schröder, W.J. 8736.
Schropfer, C. 7941.
Schubiger, G. 8507.
Schuh, R.T. 811, 5923.
Schuiling, M. 5664, 6994.
Schulten, G.G.M. 6151.
Schultz, B. 2941.
Schultz, J.C. 9435.
Schultz, P.B. 5408, 7619.
Schulz Baldes, M. 6384.
Schumann, G.L. 1234.
Schumann, H. 5003, 9042.
Schuntner, C.A. 313.
Schurian, K. 3423.
Schurian, K.G. 6718, 7160, 8267.
Schurmann, N. 1365.
Schuster, D.J. 1966, 2101, 9622.
Schuster, G.A. 1534.
Schuster, R.O. 1357.
Schwalbe, C.P. 5222.
Schwalm, F.E. 7640.
Schwan, T.G. 1795, 9743.
Schwartz, A. 1122, 3395.
Schwarz, L.M. 4434, 8477.
Schwarz, M. 2609, 3629, 4460, 6056, 7653.
Schweitzer, D.F. 5500.
Schwemmler, W. 957.
Schwinger, G. 2621.
Sciaky, R. 1442, 8998.
Scopes, N.E.A. 5686.
Scott, J.C. 8688.
Scott, M.P. 3582, 4074, 9673.
Scott, R.R. 7024.
Scott, W.P. 1164.
Scotti, P.D. 286, 3424.
Scouras, Z.G. 2164.
Scriven, G.T. 1151.
Scudder, G.G.E. 2120, 4398, 6890, 7115, 8218.
Seabrook, W.D. 221, 4377, 8558.
Seagle, H.H., Jr. 5492.
Searle, J.B. 3648, 7629.
Seastedt, T.R. 7003.
Seawright, J.A. 1910, 2039, 7965, 7966, 8707, 8800, 8818, 9668.
Sebastian, R.J. 9285.
Sebeleva, T.E. 1729.
Sechan, Y. 2690.
Sederoff, R.R. 2592.
Sedlag, U. 5159.
Seeley, T.D. 2106, 7678.
Seethaler, H. 6830.
Segal, D. 7938.
Segura, E.L. 4796.
Seghal, S.S. 2738, 3490, 6900.
Seib, P.A. 7507.
Seidenberger, J.W. 5233.
Seidenstucker, G. 5913.
Seifert, A.M. 3585.
Seifert, H. 3641.
Seifert, R.M. 4441.
Seifert, R.P. 4745, 8656.
Seigler, D.S. 4682.
Seino, A. 8273.
Seitz, K.-A. 6914, 8395, 8501, 8546.
Seitz, K.A. 6811.
Sekeris, C.E. 2502.
Sekeroglu, E. 7565.
Seketeli, A. 8722.
Sekla, L.H. 4771.
Selandar, R.B. 6539.
Selandar, R.K. 3173, 8876.
Selhime, A.G. 3030, 8743.
Seliger, H.H. 4725.
Sellin, E. 2989, 5578, 7050.
Selman, B.J. 7428.
Semeria, Y. 4129, 4130, 4131, 4292, 5019.
Semeshin, V.F. 625, 4039, 7146, 7147.
Semjonov, E.P. 4910.
Semtnar, P.J. 1133, 5672.
Sen Sarma, P.K. 2728.
Sen, S.K. 8836.
Sene, F.M. 6527, 6528, 8943.
Sengonca, C. 8752.
Sengupta, T. 44, 5117, 7300.
Seni, A. 7054.
Seniczak, S. 6738.
Senst, K.M. 491.
Seo, E.W. 7485.
Sepasgosarian, H. 7247.
Sepasgosarian, H. 7253.
Sephton, T.W. 1282.
Seregej, I.G. 4782.
Serria, L. 6454.
Serrano, J. 2155, 8808, 9685.
Serrate, H. 2606.
Servadei, A. 634.
Service, M.W. 73, 876, 5725.
Sethi, G.R. 2890, 3098.
Setokuchi, O. 4656.
Settle, J. 8518.
Setzer, R.W. 2188.
Sevastianov, V.D. 5802.
Sevastopulo, D.G. 5027.
Sevenster-van der Lelie, L.A. 5548.
Severson, D.W. 8590.
Seward, R.M. 6211.
Seyd, E.L. 8898.
Seydewitz, H.H. 1309.
Seyer, H. 4285, 4286.
Seyfarth, E.-A. 228.
Seymour, C. 8958.
Shaaban, A.M. 5568.
Shaaya, E. 9238.
Shabanov, M. 2652.
Shadab, M.J. 809.
Shadab, M.U. 3280, 5820.
Shadaksharaswamy, M. 4427, 9163.
Shaddy, J.H. 7006.
Shafee, S.A. 5151, 7351, 8499.
Shaffer, D.T., Jr. 9500.
Shaffer, J. 8276.
Shafiq, M. 9470.
Shafiq, S.A. 8357.
Shah, B.G. 8409.
Shah, B.H. 3052.
Shah, F.A. 4848.
Shah, T.A. 4848.
Shaheen, S. 6898.
Shahjahan, M. 3988.
Shakhbazov, V.G. 2740.
Shalli, A.K. 6868.
Shams, M.N. 8681.
Shanahan, G.J. 1016, 1780.
Shanbaky, N.M. 1826.
Shandilya, R.S. 6995.
Shankaranarayana, K.H. 2728.
Shanks, C.H., Jr. 1936, 2904.
Shanmugasundaram, M. 6227.
Shanmugasundaram, S. 9266.
Shapas, T.J. 4453.
Shapiro, A.M. 387, 393, 3163, 4707, 7665, 7690, 7761, 7984.
Shapiro, J.P. 5432.
Shapiro, M. 8450.
Sharaby, A.F. 5976.
Sharaf, N. 5460.
Sharaf, N.S. 6197, 8733.
Shareef, S. 250.
Shariff, G. 8412.
Sharma, B. 8238.
Sharma, G.K. 2720.
Sharma, G.P. 3150, 6420, 7948, 7950, 8812, 9681.
Sharma, K.C. 3991.
Sharma, M.L. 6886.
Sharma, O.P. 4048, 6406.
Sharma, R. 8505.
Sharma, R.K. 3973, 7610.
Sharma, R.M. 1471.
Sharma, R.N. 1693, 4554, 8636.
Sharma, S. 9681.
Sharma, S.K. 2061, 2868, 2870, 3608, 5163, 5181, 6362, 7364, 7365, 8254, 9284.
Sharma, S.P. 3612, 8567.
Sharma, U. 6891.
Sharma, U.P. 6387.
Sharma, V.K. 1996.
Sharma, V.N. 1653, 8388.
Sharov, A.A. 1115.
Sharp, C.B. 8834.
Sharp, J.L. 214, 1069, 9392.
Sharpe, P.J.H. 6373.
Shasha, B.S. 5532.
Shatalkin, A.I. 2365, 5889.
Shaul, E.Y. 1426.
Shaver, T.N. 8643.
Shaw, C.G. 9602.
Shaw, D.D. 1338.
Shaw, D.E. 1269.
Shaw, G.J. 271.
Shaw, J.J. 77.
Shaw, K.C. 7836, 8600.
Shaw, K.E.S. 7960.
Shaw, M.R. 4089, 6232, 6482.
Shazli, A. 5601.
Shcherbakov, D.E. 8348.
Shear, W.A. 4178, 5827.
Shearer, D.A. 258.
Sheasby, J.L. 5026.
Sheehan, K. 1352.
Sheehan, K.B. 1058, 8550.
Sheffer, S.M. 8581.
Sheikh, A.Q. 2452.

- Sheikh, R. 8422.
 Shelden, G.P. 6279.
 Sheldon, A.L. 3117, 3122.
 Shelley, A.J. 6623, 9584.
 Shelley, B.K. 521.
 Shelley, R.M. 3440, 8297, 8298.
 Shelton, P.M.J. 9167.
 Shelton, W. 8759.
 Shepard, G. 6904.
 Shepard, M. 1989, 2842.
 Shepherd, R.C.H. 3736, 3923.
 Sheppard, C. 3017, 3419.
 Sherby, S.I. 8474.
 Sherk, T.E. 1629.
 Sherwood, M.H. 7521.
 Shesviak, C.J. 7239.
 Shi, F.-z. 7712.
 Shi, Y.-s. 5131.
 Shibazaki, S. 7863.
 Shields, E.J. 6376, 7714.
 Shiga, M. 4317.
 Shikata, M. 2613, 3614.
 Shilova, I.E. 1316, 1317.
 Shim, J.C. 7486.
 Shimada, I. 8367, 9182.
 Shimada, K. 2178.
 Shimada, K. 3990.
 Shimada, S. 244, 5346.
 Shimanuki, H. 162, 4429, 4430, 5532, 8411, 8765.
 Shimazu, M. 359.
 Shimizu, K. 2160, 2761, 4688.
 Shimizu, T. 3589, 4327, 7548.
 Shimoda, T. 7506.
 Shimony, T.B. 2503.
 Shimura, K. 1330, 3136, 8438.
 Shinde, V.K.R. 2061, 3608.
 Shinefeld, L.A. 4904.
 Shinkaji, N. 397.
 Shinohara, A. 102, 7361.
 Shinyayeva, L.I. 3678.
 Shiota, M. 9521.
 Shipman, P. 7688.
 Shipp, E. 1780.
 Shires, S.W. 6945.
 Shirt, D.B. 6469.
 Shivaramakrishnan, V.R. 2728.
 Shiyomi, M. 1185, 8675.
 Shlotzhauer, T. 5717.
 Shockley, P. 4772.
 Sholes, O.D.V. 9477.
 Shope, R.E. 7857.
 Shorey, H.H. 2744, 4442, 6824.
 Shorrocks, B. 4525, 7048.
 Short, J.R.T. 895.
 Short, N.J. 7827, 9427.
 Short, R.A. 1899.
 Shorthouse, D.J. 5511.
 Shorthouse, J.D. 370, 3795.
 Shoukry, A. 6157.
 Shour, M.H. 1763.
 Showers, W.B. 1762, 8512.
 Shrivastava, S.C. 6745.
 Shroyer, D.A. 3932, 6321.
 Shubeck, P.P. 7831.
 Shuel, R.W. 258.
 Shugart, H.H. 4734.
 Shuja-Uddin 9084.
 Shukla, G.S. 1283, 2569, 2573, 2712, 2742, 6156, 6785.
 Shukla, K.K. 6258.
 Shukla, P.T. 2142, 4064.
 Shukla, S.C. 6785.
 Shulenberg, E. 9718.
 Shulov, A. 1235, 5632, 7686, 7810.
 Shuppe, N.G. 7136.
 Shurovenkov, B.G. 6941.
 Shute, S.L. 3180.
 Shyamalanath, S. 947.
 Shyam sundari, K. 928.
 Sibatini, A. 1416.
 Sicci, S.O. 1241.
 Siddallagaiah, K.S. 8423.
 Siddi, M. 5312.
 Siddiqui, O. 8854.
 Siddiqui, K.H. 2888, 7773, 8415.
 Siddiqui, M.I. 1563.
 Siddiqui, O. 8846.
 Siddiqui, T.F. 7812, 8317.
 Sidhu, A.S. 1820, 7902, 9592, 9612.
 Sidhu, D.S. 252, 2588, 3624.
 Sidhu, H.S. 6053, 6054.
 Sidhu, R.K. 6028.
 Sieber, M. 4995.
 Sieber, R. 1052, 4540.
 Siebert, J.W. 539.
 Siebert, M. 6606.
 Siemens, B. 8591.
 Siemicki, R. 223, 2543.
 Siewertz-Poulsen, K.E. 2465.
 Sigareva, L.E. 9678.
 Sigwalt, B. 826.
 Sih, A. 5515.
 Sikorowski, P.P. 3595, 5404, 6848, 9192.
 Silano, V. 255.
 Silber, J. 4878, 6434.
 Silberglied, R.E. 2435, 2820.
 Silberklang, M. 590.
 Silfverberg, H. 4197, 4198, 4200, 8907, 8908.
 Silhacek, D.L. 2709.
 Silk, P.J. 2605.
 Sillans, D. 1652.
 Sillen-Tullberg, B. 6126, 7796.
 Silva, A.T. 2161.
 Silva de Moraes, R.L.M. 936, 4050, 4574.
 Silva, M.S. 584.
 Silveira Neto, S. 6710, 7022.
 Silver, L.M. 651.
 Silver, S. 5271.
 Silver, S.C. 2636.
 Silverman, J. 7698.
 Silverstein, R.M. 974, 4453.
 Silvert, D.J. 6158.
 Simberloff, D. 1965.
 Simbolotti, P. 6918.
 Simmons, G.A. 2961.
 Simmons, K.R. 6724.
 Simmons, M.J. 648, 2162, 6423.
 Simmons, P. 2518.
 Simon, H.-R. 4600.
 Simon, J.C. 6506.
 Simon, M.A. 1296.
 Simonet, D.E. 544, 3040.
 Simonova, V. 4675.
 Simonthomas, A.M.J. 1995.
 Simonthomas, R.T. 1995.
 Simpson, C.M. 2674, 7882.
 Simpson, D.I.H. 4772, 7859.
 Simpson, P. 2691.
 Simwat, G.S. 1820.
 Sinclair, D.F. 6146.
 Sinclair, E.R. 435, 3064, 4328.
 Sinclair, P. 4328.
 Sinden, S.L. 2875.
 Sinegre, G. 6326.
 Singal, S.K. 3446, 8928.
 Singer, M.C. 8304.
 Singer, S. 3900.
 Singh, A.P. 2783, 4695.
 Singh, B. 1959.
 Singh, B.K. 1320.
 Singh, D. 2071.
 Singh, D.P. 8731.
 Singh, D.R. 1249, 1776.
 Singh, G. 2807, 3051.
 Singh, G.J.P. 1765, 2590, 4419.
 Singh, H. 2869.
 Singh, I. 3247.
 Singh, J. 7902, 8324, 9612.
 Singh, J.P. 2699.
 Singh, K. 4687.
 Singh, M. 2537.
 Singh, N.B. 6060.
 Singh, O.P. 4828, 5479, 6073, 6954, 8188, 9039.
 Singh, P. 236, 4321, 4562, 5978.
 Singh, R. 1914, 4666, 5545, 6223, 6983, 9699.
 Singh, R.K. 8500.
 Singh, R.N. 2712, 2742.
 Singh, R.P. 7617.
 Singh, R.S. 2170, 4959.
 Singh, S. 8854, 9310.
 Singh, S.B. 2634.
 Singh, S.J. 9604.
 Singh, S.K. 9203.
 Singh, S.N. 2094.
 Singh, S.P. 5337, 7512.
 Singh, S.S. 6356.
 Singh, S.V. 949, 2566.
 Singh Sidhu, D. 1671, 1687.
 Singh, T. 1687, 3005, 8314.
 Singh, T.K. 3366.
 Singh, U.V. 6831.
 Singh, Y.N. 2537, 8441.
 Singh, Z. 9203.
 Singhal, R.N. 1923.
 Singvi, P.M. 5542.
 Sinha, A.K. 2871.
 Sinha, C.M.P. 3958.
 Sinha, D.P. 6891.
 Sinha, K.M. 1734.
 Sinha, P. 7129, 7957.
 Sinha, P.K. 403.
 Sinha, R.C. 4558.
 Sinha, R.N. 3943, 7034.
 Sinha, T.B. 4666, 5545, 6223, 6983, 9699.
 Sinharay, D.C. 69.
 Sinibaldi, R.M. 5731.
 Sinitshenkova, N.D. 3407.
 Sirigu, P. 5277.
 Siskova, A. 8468, 8469.
 Sismondo, E. 4481.
 Sissom, W.D. 30, 3291, 8993.
 Sitchawat, T. 3787.
 Sites, R.W. 5786.
 Sitharamaiah, S. 3971.
 Siti Aminah, N. 4782, 4783, 4792.
 Sitnikova, L.G. 8963.
 Sittertz-Bhatkar, H. 2630.
 Sivagami Vadivelu, R. 6369.
 Sivapalan, P. 2724, 3502.
 Sivaprakasm, K. 2878.
 Sivaraman, S. 5828, 7260, 7263.
 Sivasubramanian, P. 221, 2549, 4377, 8384.
 Sivec, I. 148.
 Sivinski, J. 7654.
 Sizova, T.P. 1272.
 Sjogren, R.D. 4778.
 Sjostrom, P. 3755.
 Skaer, H.IcB. 7453.
 Skalski, A.W. 3390.
 Skanland, H.T. 9241.
 Skelly, J.M. 1935.
 Skews, B.W. 2514.
 Skidmore, P. 6471.
 Skinner, G. 5614.
 Skinner, G.J. 6282.
 Skinner, J.C. 520, 6332.
 Skirkeviciene, Z. 6257.
 Skirkevicius, A. 6257.
 Skolnik, H. 2581.
 Skopik, S.D. 4380.
 Skopin, N.G. 4217.
 Skripsky, T. 7132.
 Skrzypczyńska, M. 6191.
 Skul'in, K.V. 7319.
 Skuhrava, M. 6244.
 Skuhravy, V. 5571, 5612, 6244.
 Slaby, O. 8277.
 Slama, K. 1546, 4385, 6846.
 Slansky, F.Jr. 4389.
 Slater, J.A. 5910, 7331, 8215.
 Slatko, B. 4014.
 Slaughter, G.W. 4814.
 Slavikova, E. 491.
 Slaytor, M. 5291, 6036.
 Sleeman, D.P. 8015.
 Slifer, E.H. 4366.
 Slingenbergh, J. 3018.
 Slipinski, S. 3310.
 Slipinski, S.A. 3311.
 Siłwinski, Z. 698.
 Slobodchikoff, C.N. 1917, 9245.
 Slooff, R. 7635.
 Slor, H. 6834.
 Slosser, J.E. 1248.
 Slowinski, S. 2541.
 Smalley, D.L. 1748.
 Smalley, K.N. 1736.
 Smaragdov, M.G. 606, 2156.
 Smart, L.E. 6931.
 Smathers, G. 3656.
 Smetana, A. 6582, 6595, 7301, 8157, 8159, 9024.
 Smies, M. 2993, 3053.
 Smilanick, J.M. 9132.
 Smiley, J.T. 6966.
 Smilowitz, Z. 2594, 5671, 5675, 5680, 5701.
 Smirnov, W.A. 2648, 6363.
 Smirnov, A.F. 606, 2156, 4910.
 Smirnov, E.S., (deceased) 1477.
 Smirnova, A.A. 8740.
 Smit, F.G.A.M. 5250.
 Smith, A. 731.

- Smith, A.G. 269.
 Smith, A.P. 2753.
 Smith, B.C. 6360, 7883.
 Smith, B.P. 2512.
 Smith, C. 3927.
 Smith, C.F. 8226, 8227.
 Smith, C.M. 4836.
 Smith, C.R., Jr. 2891.
 Smith, D. 420, 2686.
 Smith, D.A.S. 1343.
 Smith, D.G. 3888.
 Smith, D.H. 4772.
 Smith, D.H., Jr. 1153.
 Smith, D.R. 6665, 8255, 8256.
 Smith, D.S. 8954.
 Smith, G.C. 1933.
 Smith, H.v. 3947.
 Smith, H.V. 8716.
 Smith, I.B., Jr. 5544.
 Smith, I.R. 6279.
 Smith, J.A. 3997.
 Smith, J.C. 5674.
 Smith, J.H. 8625.
 Smith, J.N. 3520.
 Smith, J.W. 1164, 8932.
 Smith, J.W., Jr. 7733.
 Smith, K.G.V. 1860, 2021, 5992.
 Smith, M. 4077.
 Smith, M.T. 4756, 6337.
 Smith Meyer, M.K.P. 8104.
 Smith, N. 420.
 Smith, P.H. 7051.
 Smith, R. 739.
 Smith, R.F. 6568.
 Smith, R.H. 3049, 4089.
 Smith, R.J. 2496.
 Smith, R.K. 2626.
 Smith, R.L. 9465.
 Smith, R.P. 1743.
 Smith, R.W., (deceased) 5707.
 Smith, S.L. 4568.
 Smith, S.M. 6190.
 Smith, T.A. 2110.
 Smith, W.A. 8520.
 Smithers, C.N. 6698, 7181, 8083.
 Smithes, C.N. 150.
 Smock, L.A. 2495, 4001.
 Smola, U. 9177.
 Snazell, R. 7996.
 Sneh, B. 6989.
 Sneller, V.-P. 9213.
 Snelling, R.R. 3564.
 Sngh, T. 438.
 Snider, R. 7006.
 Snider, R.J. 8170, 8681.
 Snoddy, E.L. 3008.
 Snow, J.W. 3062, 3422.
 Snow, W.F. 2785.
 Snowball, G.J. 100.
 Snyder, G.K. 5282.
 Soares, A.E.E. 6430.
 Soares, B.A.M. 27, 8982.
 Soares, G. 5645.
 Soares, H.E.M. 26, 27.
 Sobels, F.H. 8319.
 Sobiepanik, E. 2224.
 Soboleva, R.G. 1881.
 Sobota, A. 3512.
 Soderlund, D.M. 6040, 9619.
 Soderlund, V. 610.
 Soderstrom, B. 3114.
 Soderstrom, E.L. 4441.
 Soemori, H. 6916.
 Soesanto. 5370.
 Sofer, W. 2157, 7930.
 Sofield, R.K. 5235.
 Sogawa, K. 1113, 9467.
 Soh, Y. 2572.
 Sohal, R.S. 1714, 5388.
 Sohi, A.S. 7339, 7340, 7341, 9068.
 Sohi, H.S. 4498.
 Sohm Ekboom, B. 3580.
 Sokal, R.R. 4329, 8632, 9706.
 Sokoloff, A. 9689.
 Sokolova, L.V. 4714.
 Sokolowski, A. 1590.
 Sokolowski, M.B. 4942.
 Sokolowski, R.J. 2759, 3651.
 Solbiati, C. 5008.
 Solbreck, C. 6126, 7779.
 Soldan, T. 206, 4488, 5902, 6629, 6739, 7449.
 Soldatova, N.V. 3590.
 Solem, J.O. 2409.
 Soler Cruz, D. 3236.
 Solinas, M. 231.
 Sollers-Riedel, H. 8715.
 Solomatin, V.M. 4958.
 Solomon, J.D. 3989, 4322.
 Solorza, J. 5691.
 Som, D. 278.
 Soman, R. 4547.
 Somchoudhury, A.K. 8668.
 Somerfield, K.G. 3070, 6485.
 Somme, L. 7523, 9241.
 Sommer, W.W. 3395.
 Somorjai, G. 2217.
 Sondengam, B.L. 2668.
 Sondergaard, L. 1322.
 Sondermeijer, P.J.A. 4025, 9148.
 Sonenshine, D.E. 7841.
 Song, A.S.W. 6431.
 Song, W.-j. 4513.
 Soni, K.G. 3150.
 Sonnet, P.E. 9237.
 Sonobe, H. 3660.
 Sood, V. 3633.
 Sood, V.B. 8812.
 Soohoo, S.L. 2545.
 Soper, R.S. 9258.
 Soponis, A.R. 66, 6607.
 Sorel, C. 4994.
 Sorensen, A.A. 7441.
 Snider, R. 7006.
 Snider, R.J. 8170, 8681.
 Snoddy, E.L. 3008.
 Snow, J.W. 3062, 3422.
 Snow, W.F. 2785.
 Snowball, G.J. 100.
 Snyder, G.K. 5282.
 Soares, A.E.E. 6430.
 Soares, B.A.M. 27, 8982.
 Soares, G. 5645.
 Soares, H.E.M. 26, 27.
 Sobels, F.H. 8319.
 Sobiepanik, E. 2224.
 Soboleva, R.G. 1881.
 Sobota, A. 3512.
 Soderlund, D.M. 6040, 9619.
 Soderlund, V. 610.
 Spahr, U. 7234.
 Spain, A.V. 3710, 6146, 8532.
 Spangler, P.J. 7302, 8141, 8146, 8147.
 Sparks, A.N. 2606, 6713, 8763, 9119.
 Sparks, T.C. 2744, 4569, 8400.
 Spates, G. 260, 7489.
 Spates, G.E. 3525, 6105, 6783.
 Speidel, W. 2231, 8275.
 Speight, J. 6065.
 Speight, M.C.D. 6476, 8002, 8003.
 Spence, D.H. 6890.
 Spence, G.E. 332, 5624, 6183, 9525.
 Spence, J.R. 2120, 6271, 6890, 7115.
 Spence, K.D. 1000, 3557.
 Spencer, J.P. 3422.
 Spencer, M. 2976.
 Sperlich, D. 6450, 8874.
 Sperling, F.A.H. 5199.
 Spicer, G.S. 16.
 Spicer, R.M. 3562.
 Spicka, E.J. 6548.
 Spickert, C. 3927.
 Spielman, A. 4573, 6165, 6906, 7575, 8671.
 Spielman, J.M. 3927.
 Spier, T.W. 3499.
 Spiers, R.D. 7507.
 Spiess, E.B. 8894.
 Spiewak, N. 245.
 Spilman, T.J. 7750.
 Spindler, E. 7941.
 Spira, M.E. 6011.
 Spires, S. 7758.
 Spirito, C.P. 2570.
 Sprackling, M.T. 5252.
 Spradbery, J.P. 2016.
 Spragg, W.T. 9654.
 Sprance, H.E. 8706, 9745.
 Spratt, E.C. 1803, 7025.
 Sprey, P. 7938.
 Sprey, T.E. 7938.
 Spring, J. 4435.
 Spring, J.H. 2618.
 Springhetti, A. 2469.
 Sprules, W.G. 2247.
 Spungis, W. 9032.
 Squires, E.J. 4772.
 Srdic, Z. 9345.
 Sreekantaswamy, H.S. 8423.
 Srihongse, S. 1192.
 Sriwasan, M.N. 7512.
 Srinivasan, S. 3652.
 Srivastava, A.K. 3782.
 Srivastava, D.C. 2966.
 Srivastava, G.K. 2348, 8486.
 Srivastava, G.R. 2349.
 Srivastava, H.C. 1013.
 Srivastava, K.M. 3096.
 Srivastava, K.P. 3104, 3985, 7774, 8766, 9171.
 Srivastava, P.N. 600.
 Srivastava, R.P. 6849.
 Srivastava, S. 3067.
 Srivastava, S.C. 6995.
 Srivastava, U. 600.
 Srivastava, U.S. 949, 2566, 7604.
 Srivastava, V.K. 2520.
 Srokosz, K. 7110.
 St. George, T.D. 1208.
 Stables, L.M. 6858.
 Stacey, A.L. 6349.
 Stackerud, M. 8084.
 Stackiw, W. 4771.
 Stacy, A.L. 3956.
 Staddon, B.W. 2620, 7533.
 Stahl, J.B. 7111.
 Stahl, W.L. 3477.
 Stairs, G.R. 991, 4485.
 Stalker, H.D. 2180.
 Stamatis, N.D. 3646.
 Stamford, S. 3007.
 Stammier, G. 8356.
 Stampopoulos, D. 2882.
 Stamp, N.E. 469, 1356.
 Standgast, H.A. 1208.
 Stanfield, S.W. 605.
 Stange, G. 6770.
 Stange, L.A. 5167.
 Stanislav, E. 7907.
 Stanley, S.M. 332, 5624.
 Starega, W. 9723.
 Staretz, V.A. 171.
 Stark, B.P. 8073.
 Stark, D.M. 9567.
 Stark, R.J. 983.
 Stark, W.S. 2549.
 Starks, K.J. 7897.
 Starmer, T. 3656.
 Starmer, W.T. 9506.
 Starozhitzkaya, G.S. 1125.
 Stary, P. 428, 1997, 2257, 5157, 5159, 7988, 8078.
 Staurengo da Cunha, M.A. 1024.
 Stebaev, I.V. 8959.
 Stebbins, N.B. 7892.
 Stechmann, D.-H. 2834.
 Steck, W. 8431.
 Steck, W.F. 1703, 5328.
 Steel, C.G.H. 2521.
 Steele, J.E. 232, 4388, 6031.
 Steenhoudt, R. 8655.
 Steer, W. 7480, 7481.
 Steeves, J.D. 2515.
 Stefan, P. 673.
 Steffan, W.A. 805.
 Steffensen, D.M. 7933.
 Steger, R. 3597, 9278.
 Stegny, V.N. 3148.
 Stegny, V.N. 4976, 5882.
 Stehlik, F. 449.
 Stehlik, J.L. 9064, 9066, 9146, 9732.
 Stehr, F.W. 5.
 Steigen, A.L. 7497.
 Stein, H. 4073.
 Steinbach, P.A. 8510.
 Steinberg, B. 7755, 9494.
 Steinbrecht, R.A. 6767.
 Steinemann, M. 1312, 7122, 7123.
 Steiner, W.E., Jr. 8062, 8166, 9748.
 Steinhauer, A.L. 5524.
 Steinhilber, W.R. 5551.
 Steinger, H. 1349.
 Steinmann, H. 1467, 8171, 8172, 9031.

- Stelter, H. 3342.
- Stelzer, M.J. 170.
- Stendel, W. 2029.
- Stenson, J.A.E. 4859.
- Stenton-Dozey, J. 9397.
- Stephen, F.M. 5398.
- Stephen, S. 6322, 6233.
- Stephen, W.P. 1807, 1809, 2399.
- Stephens, G. 8564.
- Stephenson, B.P. 3418.
- Stephenson, R.S. 1635.
- Sterling, W.L. 1034.
- Stern, C. 7970.
- Sternburg, J.G. 7172, 9291.
- Steven, D. 3815.
- Stevens, R.E. 3781, 4706, 8941.
- Steward, R. 9667.
- Stewart, G.A. 4790, 4791.
- Stewart, H.G. 3890.
- Stewart, J.A. 874.
- Stewart, J.K. 538.
- Stewart, K.M. 3730, 3950.
- Stewart, K.R. 5787.
- Stewart, K.W. 195, 7689.
- Stewart, R.B. 1999.
- Stewart, R.K. 2837, 2948, 4812, 5665, 5703, 6300, 6342, 6345, 8676, 8769.
- Steyskal, G.C. 8189, 8190, 8192, 8302, 9033.
- Stibick, J.N.L. 5856.
- Stiling, P.D. 638, 4716.
- Stille, B. 3173, 7425.
- Stiller, D. 5654.
- Stimac, J.L. 8771.
- Stoakley, J.T. 1101.
- Stoaks, R.D. 3118.
- Stock, M.W. 982, 4956, 6860.
- Stockdale, H. 917.
- Stockel, J.-P. 9233.
- Stocker, A.J. 6404.
- Stoffolano, J.G., Jr. 4522.
- Stokes, D.R. 6007.
- Stolarz, G. 4580.
- Stollar, V. 9151.
- Stoltz, D.B. 4502, 6085, 6235.
- Stoltze, M. 3240.
- Stolyarov, M.V. 140.
- Stone, M.W. 4637.
- Stone, W.B. 6312.
- Stoneburner, D.L. 4001.
- Stoner, W.N. 1150, 3714.
- Storch, R.H. 3621.
- Storch, V. 9157, 9211.
- Storey, K.B. 5306, 5315.
- Stork, N.E. 2900, 6753, 8353.
- Storms, W.W. 9575.
- Storozhenko, S. Yu. 145.
- Stort, A.C. 3161.
- Stort, A.C.G. 9173.
- Storti, R.V. 4074.
- Stout, J.F. 7476.
- Straka, V. 4110, 7197.
- Strambi, A. 3545, 9248.
- Straneo, S.L. 768, 5081, 8999.
- Strang, R.H.C. 1625.
- Strapazzon, A. 7518.
- Strasser, K. 3415, 4307.
- Strassmann, J.E. 5713.
- Stratakis, E. 981, 1851, 4422, 8424.
- Stratil, H.H. 5604.
- Stratil, H.U. 5604.
- Stratton, A.E. 3948.
- Stratton, L. 7864.
- Straub, R.W. 6339.
- Strause, L.G. 8449.
- Strausfeld, N.J. 4365.
- Streit, B. 429.
- Strickman, D. 1067, 4519, 4596.
- Stringer, C.E. 3434, 6343, 9286.
- Strohecker, H.F. 6576.
- Strojin, W. 2806.
- Strong, D.R. 8634.
- Strong, D.R., Jr. 4765.
- Stroyan, H.L.G. 5143, 8004.
- Strubinski, M.S. 3237.
- Strumpf, D.A. 8852.
- Strunkova, Z.I. 6553.
- Strunnikov, V.A. 1833.
- Ssthektin, Yu.L. 2433.
- Stuart, A.M. 5431.
- Stuart, W.D. 9669.
- Stubbemann, H.N. 8904.
- Stubbs, A. 656.
- Stubbs, H.A. 9231.
- Stubbs, M. 1109.
- Stup, J.L. 1560, 1561.
- Sturm, H. 5024.
- Stusak, J.M. 9066, 9146.
- Stutterheim, C.J. 3904.
- Stys, P. 2383, 7329.
- Su, H.C.F. 2668, 6861.
- Su, T.H. 9587.
- Suarez, A. 5303, 5322.
- Suarez, F.J. 3378, 5177, 5939.
- Subba 5325.
- Subba Rao, B.R. 5156, 5929.
- Subba Rao, D. 6853.
- Subhashini, K. 5260.
- Subias, L.-S. 6549.
- Subias, L.S. 5805.
- Sublette, J.E. 174, 2351, 3347, 4226.
- Subra, R. 2014.
- Subrahmanyam, D. 7498.
- Subramaniam, T.R. 9606.
- Subramanian 4500.
- Suchak, G.J. 4439.
- Sucharit, S. 9585.
- Suckcharoen, S. 1160.
- Suckling, D.M. 6935.
- Sudd, J.H. 4662, 9516, 9518.
- Sudershan, P. 6090.
- Sudo, M. 2572.
- Sudo, S. 1165.
- Sudomo, M. 4514.
- Sue, K. 7700.
- Sueoka, T. 1327.
- Sugarman, D. 8377.
- Sugawara, F. 5345.
- Sugimoto, T. 7817.
- Sugino, A. 4918.
- Sugino, N. 6079.
- Sugiyama, H. 6104, 8467.
- Suguna, S.G. 7965, 8707, 8818, 9688, 9710.
- Sukhani, T.R. 9594.
- Sukhorada, E.M. 3590.
- Sukhoruchenko, G.I. 8740.
- Sukkestad, D.R. 9290.
- Sulaiman, I. 5728.
- Sullivan, D.J. 6275.
- Sullivan, D.T. 7131.
- Sultana, N. 3099.
- Sulzbach, D.S. 3179.
- Sumikawa, K. 6012.
- Sumlin, W.D., III. 7232.
- Summers, C.G. 2947.
- Summers, G. 5790, 9756.
- Summers, K.M. 961, 4919.
- Summers, M.D. 6235.
- Summy, K.R. 6311.
- Sun, C.-N. 6870.
- Sun, S.-s. 363.
- Sunarjo, E. 9628.
- Sundara Babu, P.C. 3043.
- Sunde, R.G. 6320.
- Sunderland, K.D. 3823, 3883.
- Sung, S.-m. 5203.
- Sunzenauer, I.M. 5524.
- Suomalainen, E. 2146, 5202, 8875.
- Suplicy Filho, N. 8476.
- Sur, S. 5646.
- Surgeoner, G.A. 2049, 5376, 5385, 5637, 5638, 6303, 6308, 8593.
- Suroso, T. 4782.
- Surrey, M.R. 4321.
- Suski, Z.W. 315, 2759, 3651.
- Sussengut, C. 6274.
- Sustek, Z. 9504.
- Sustriayu, N. 4514.
- Sutcliffe, J.F. 5273.
- Suter, H. 5598, 7571.
- Sutherland, B. 330, 2775.
- Sutherland, O.R.W. 1141, 3792, 3794.
- Suto, C. 2656.
- Sutter, B.C.J. 9225.
- Sutton, R.A. 8736.
- Sutton, S.L. 3883, 6118.
- Suvorova, L.G. 4764.
- Suwa, M. 1057.
- Suya, T.B. 8891.
- Suzuki, A. 1694.
- Suzuki, H. 4137, 5714, 9724.
- Suzuki, N. 9503.
- Suzuki, S. 8659, 9521.
- Suzuki, T. 3001, 7513.
- Suzuki, Y. 2931, 2951, 3139, 6175, 9717.
- Suzzoni, J.P. 3545, 9341.
- Svatarakova, L. 6894.
- Svaton, J. 7183.
- Svensson, B.G. 8588.
- Svensson, B.S. 4651, 6229, 8631.
- Svensson, I. 706.
- Sveshnikov, V.A. 2774.
- Svestka, M. 8738.
- Sveum, P. 2409.
- Svihla, V. 1441, 5102.
- Svihra, P. 2755, 7820.
- Sviridov, S.M. 4070.
- Svoboda, J.A. 2586, 4429, 4430, 5240, 8411.
- Swain, R.B. 9551.
- Swamiappan, M. 2843.
- Swanson, G.J. 8837.
- Swartz, J.B. 2959.
- Swartz, T.A. 8087.
- Swarup, H. 4059, 8815.
- Sweeney, A.W. 4770.
- Sweeney, B.W. 3645.
- Sweet, M.H. 810, 7986.
- Swegman, B.G. 157.
- Swiderski, Z. 1837, 2748.
- Swift, F.C. 5473.
- Swift, M.C. 3698.
- Swirski, E. 4158, 8101.
- Sydnor, T.D. 2861.
- Syller, J. 6260.
- Sylvén, E. 2874.
- Sylvester, E.S. 577, 9481.
- Sylvester, H.A. 6957.
- Symes, M.J. 317.
- Symmons, P.M. 2911, 7873.
- Synave, H. 6637, 7346.
- Syren, R.M. 7168.
- Szabo, J.B. 4265, 4274.
- Szabo, P. 1297, 8903.
- Szabo, T.I. 1099, 4709.
- Szaboky, C. 2235, 2860.
- Szantay, C. 976.
- Szanto, J. 4832.
- Szatmari-Goodman, G. 2659.
- Szczesna, E. 6403.
- Szczesny, B. 6702.
- Szczytko, S.W. 7689.
- Szeflinska, D. 9300.
- Szelenyi, G. 1511, 6650.
- Szentkiralyi, F. 5629, 6127.
- Szeptycki, A. 3409.
- Szibbo, C.M. 4398.
- Sziraki, G. 1155, 3225.
- Szoos, G. 976, 5447.
- Szollosi, A. 2501, 3452, 7584.
- Szopa, T.M. 8444.
- Szwejd, J. 8032.
- Szymanski, S. 2210.
- Szymczakowski, W. 7271, 7278.
- Tabachnick, W. 7857.
- Tabashnik, B.E. 3876.
- Tabata, K. 5305.
- Taber, S. 7675.
- Taber, S., III. 9299, 9372.
- Tachida, H. 1353.
- Tachikawa, T. 7355, 7356, 8040, 8061.
- Tada, I. 6959.
- Tadano, T. 5742.
- Taden, W.J. 4741.
- Tadei, W.P. 2940.
- Tadkowsky, T.M. 946, 1003.
- Taffarel, M. 208, 1598.
- Tager, H.S. 2561, 6029.
- Taghert, P.H. 7636, 7637.
- Taiti, S. 8299.
- Takabatake, I. 7159.
- Takafuji, A. 510, 2949, 6284.
- Takagi, M. 2915, 2931, 2951.
- Takagi, S. 8331.
- Takahashi, S. 6822.
- Takahashi, F. 6079.
- Takahashi, F.T. 6768.
- Takahashi, K. 4330, 6780, 7102.
- Takahashi, M. 1592, 9569.
- Takahashi, M.K. 3944.
- Takahashi, N. 978, 980.
- Takahashi, S. 1068, 3694.
- Takahashi, H. 9569.

- Takakura, T. 8272.
- Takamura, T. 1332, 4075, 4946.
- Takanashi, E. 7978.
- Takaoka, H. 9569.
- Takayanagi, H. 1697, 3480.
- Takeda, H. 490.
- Takeda, M. 4380.
- Takeda, N. 4437.
- Takei, R. 3166.
- Takei, S. 112.
- Takemoto, T. 4446.
- Takemura, S. 4004.
- Takenouchi, Y. 609, 7951, 9676, 9677, 9679.
- Takesue, S. 6875.
- Takeuchi, S. 7748.
- Takeuchi, T. 941.
- Takewaki, S. 963.
- Takizawa, H. 2314, 2475.
- Takken, W. 1662, 1810, 1814, 6885, 7627.
- Takuma, T. 6079.
- Talec, S. 2624.
- Talekar, N.S. 1140.
- Talerico, R.L. 6961.
- Taley, Y.M. 2780.
- Tallerico, P. 3132.
- Talukdar, J.N. 5368.
- Tam, S. 3850.
- Tamaki, G. 878, 4616.
- Tamaki, Y. 2761, 4458, 4688, 6720.
- Tamanini, L. 2268.
- Tamawski, D. 3207.
- Tamhankar, A.J. 9365.
- Tamura, H. 2829.
- Tamura, S. 1694.
- Tan, R. 8697.
- Tan, S. H. 2605.
- Tanada, Y. 234, 1002.
- Tanaka, A. 4656.
- Tanaka, J. 6959, 7027.
- Tanaka, J. 9289.
- Tanaka, K. 1476, 5996.
- Tanaka, N. 2160.
- Tanaka, S. 3589.
- Tanaka, Y. 1677, 6777.
- Tanasijtshuk, V.N. 6605.
- Tanda, S. 2167.
- Tandon, P.L. 2069, 6849.
- Taneja, S. 3633.
- Taneja, S.K. 3633.
- Taneja, V.K. 183.
- tang, F.-T. 92.
- Tang, Z.-h. 4513.
- Tanguay, R.M. 9199.
- Tanigoshi, L.K. 3637, 7429.
- Taniguchi, G.Y. 9605.
- Tanimura, T. 8367, 9182.
- Tannahill, F.H. 1127, 3062.
- Tannock, J. 2604, 9405.
- Tantawy, A.O. 649.
- Tapley, R.G. 7058.
- Tardivo, J.C. 3037.
- Tarmann, G. 3228, 3716.
- Tarnawski, D. 1366.
- Tarrago, M.F.S. 494.
- Tarras, M.S. 6007.
- Tarry, D.W. 3024, 8001.
- Tarter, D.C. 1410, 6526.
- Tarwater, D.E. 1736.
- Taschenberg, E.F. 4459, 9365.
- Tashiro, H. 6181.
- Tashmukhamedov, B.A. 6808.
- Tatchell, G.M. 9274.
- Tatchell, K. 4019.
- Tateda, H. 3479.
- Tatsuki, S. 978, 980, 8430.
- Tatsuno, T. 8430.
- Tauber, C.A. 8597.
- Tauber, M.J. 6877, 8597, 9337.
- Tavares, M.L.R. 4177.
- Tavares, S. 3946.
- Tavil, N.W. 2976.
- Tawfik, M.F.S. 1902, 6732, 6733.
- Tayip, U. 921.
- Taylor, B.W. 2640.
- Taylor, C.E. 7037, 9708.
- Taylor, F. 5527, 9323.
- Taylor, K.L. 5705.
- Taylor, L.R. 3896.
- Taylor, M.F.J. 6712.
- Taylor, O.R. 9639, 9645.
- Taylor, O.R., Jr. 1636, 3159, 3165.
- Taylor, P. 1981, 8885.
- Taylor, R.A.J. 2909.
- Taylor, R.W. 1575, 6484, 6661, 7358.
- Taylor, S.A. 7719.
- Taylor, T.P. 1278.
- Taylor, V.A. 4710, 4715.
- Taze, Y. 5578.
- Teakle, R.E. 9259.
- Teal, P.E.A. 2762, 9306.
- Teeri, T. 8875.
- Teerink, B.J. 3762, 5245.
- Teetes, G.L. 7441.
- Teich, A.H. 5682.
- Teich, I. 3425, 3939.
- Teittinen, P. 7770.
- Telesky, S.B. 3846.
- Tembhare, D.B. 2522, 5283.
- Temerak, S.A. 6840.
- Tempelis, C.H. 516, 9190.
- Temper, G. 3296, 3306, 3317.
- Temperini-Beck, M.T. 584.
- Temple, N. 9302.
- Templeton, A.R. 3173.
- ten Houten, A. 4782, 4783, 4792.
- Teng, K.-f. 7248.
- Tengo, J. 4455.
- Tennessee, K.J. 1528.
- Tenow, O. 6965, 6988, 7026.
- Tenquist, J.D. 2992, 8696, 8901.
- Teodorescu, I. 1983, 2912.
- Teodorescu, M. 9276.
- Tepedino, V.J. 5753.
- Ter-Minassian, M.E. 1448.
- Ter-Minasyan, M.E. 8133.
- Terada, K. 3758.
- Teradaira, C.T. 6633.
- Teran, A.L. 5510.
- Teran, F.O. 3870.
- Teranishi, R. 1706.
- Teras, I. 5617.
- Terho, E. 8578.
- Terra, W.R. 2585, 3498, 3514, 6026, 8392.
- Terranova, A.C. 8881.
- Terriere, L.C. 296, 956, 2876, 9615.
- Terrill, T.R. 1133, 5672.
- Terskova, M.I. 2693.
- Terwedow, H.A. 1285.
- Tesar, D. 5338.
- Tesh, R.B. 3247, 3448, 3911, 6321, 9268.
- Teson, A. 2393.
- Tessier, C. 5029.
- Testa, I. 3764.
- Tetango-Fabellar, L.D. 9325.
- Tetrault, R.C. 1240.
- Tewari, R.R. 3145.
- Thakare, K.R. 2780.
- Thakare, V.K. 1784, 5283.
- Thakur, M.L. 2926, 9716.
- Thakur, S.S. 1648, 1649, 6887, 6888.
- Thal, J. 2850.
- Thaler, G.R. 6359.
- Thaler, K. 5064, 5602, 8926, 8978.
- Thambiah, A.S. 3006.
- Thanalukshumi, P. 17.
- Thangavelu, K. 7018.
- Thatcher, D.R. 955, 2055, 8422.
- Thean, J.E. 6791.
- Theis, J.H. 3010.
- Theischinger, G. 1573, 7402.
- Thelot, J. P. 3331.
- Theriat, L.M. 6886.
- Theron, J.G. 4255, 4256.
- Theroux, L.J. 1263.
- Theunissen, J. 2074.
- Thevenaz, P. 2988.
- Thiaucourt, P. 3392, 3393.
- Thibaud, J.-M. 2344, 9313.
- Thiele, D. 3702.
- Thiele, H.-U. 1176, 8868.
- Thijs, E. 5068.
- Thireos, G. 2144.
- Thirion, C. 3214, 5009.
- Thiruganasuntheram, K. 2058.
- Thiry, J. 5248.
- Tho, Y.P. 5352.
- Thomas, A. 4572.
- Thomas, A.G.B. 1277, 1485, 2115.
- Thomas, A.W. 1404, 5227, 7228.
- Thomas, B.R. 969.
- Thomas, C. 4887.
- Thomas, D. 1595.
- Thomas, D.B., Jr. 3364, 4248.
- Thomas, D.L. 9495.
- Thomas, G. 6249.
- Thomas, H.H. 2242.
- Thomas, M.J. 2946, 3050, 3073.
- Thomas, N. 2115.
- Thomas, P.A. 4629.
- Thomas, R.R. 5713.
- Thomas, W.P. 3972.
- Thomas, W.R. 4712.
- Thombre, U.T. 5610.
- Thome, J.P. 4711, 7041.
- Thompson, G.D. 6438.
- Thompson, C.R. 7822.
- Thompson, E.A. 3837.
- Thompson, F.C. 2372, 8198, 8199, 8201, 9052, 9053, 9054.
- Thompson, G.D. 318, 319, 1196, 7646.
- Thompson, J.M. 1117.
- Thompson, J.N. 5607.
- Thompson, J.N., Jr. 209, 1825, 9696.
- Thompson, J.R. 5616.
- Thompson, M.J. 4429, 4430, 5240, 8411.
- Thompson, P.G. 313.
- Thompson, P.H. 346, 569, 1117, 3744.
- Thompson, R.T. 50, 4206.
- Thompson, S. 3890.
- Thompson, S.A. 321.
- Thompson, S.N. 959, 1539, 1659, 6074, 9206.
- Thompson, T.E. 456, 1961, 5678.
- Thomsen, E. 2597.
- Thomson, A.J. 2077, 9507.
- Thomson, J.D. 6220, 6359, 9390.
- Thomson, N.J. 7891.
- Thon, B. 3491, 8386.
- Thontadarya, T.S. 2076, 6975.
- Thornhill, R. 361, 362, 1976.
- Thornhill, R.A. 1765, 2590, 4419.
- Thorp, J.H. 3121.
- Thorp, R.W. 374.
- Thorpe, A. 2587, 8364.
- Thorpe, K.W. 7743.
- Thorson, J. 6839.
- Thorsteinson, A.J. 4516.
- Threlkeld, S.F.H. 2466.
- Thurling, D.J. 3861.
- Thurston, H.D. 1234.
- Thurston, R. 3787.
- Thwaite, W.G. 549.
- Thyagarajan, K.S. 6721.
- Tian, L.-x. 5150.
- Tibayrenc, M. 1684, 3125.
- Tiberi, R. 9601.
- Tichenor, L.H. 4682.
- Tichy, H. 4926.
- Tieben, G.L. 4139.
- Tietjen, W.J. 1873.
- Tietze, F. 2954, 4802, 8300.
- Tikader, B.K. 2289, 2290.
- Tikhomirova, A.L. 2968.
- Titavov, T.T. 9385.
- Tilden, P.E. 9231.
- Tillinghast, E.K. 1643.
- Tilson, R.L. 3776.
- Timberlake, P.H. 6653.
- Timian, R.G. 7889.
- Timm, R.M. 138.
- Timms, B.V. 8947.
- Timonin, M.I. 7100.
- Tindale, N.B. 6673.
- Tinelli, R. 4512.
- Ting, I.P. 1145.
- Tingey, W.M. 454, 1234.
- Tinsley, T.W. 3938, 4340.
- Tipker, J. 3604.
- Tischler, W. 4769.
- Tisiachnuk, M.S. 3470.
- Tissieres, A. 4871, 8799.
- Titchener, R.N. 8710, 8716.

- Tiwari, S.C. 3051.
 Tjeder, B. 5210, 7323.
 Tkalcu, B. 1375, 4271.
 To, L.P. 2830.
 Tobe, S.S. 4566, 5430, 8316, 8493.
 Tobias, M.L. 5259.
 Tobias, V.I. 6659.
 Tocker, M.F. 3267.
 Toda, M.J. 1909.
 Todd Davies, V. 6556, 6560.
 Todd, E.L. 8270, 8945, 9096.
 Todd, J.W. 364, 419, 975, 3631, 7759.
 Toffolon, R.B. 2096.
 Toft, S. 2790, 2939.
 Togashi, I. 7366.
 Tohme, G. 2104.
 Tohme, H. 2104.
 Tojo, S. 4034, 5319.
 Tolbert, V.R. 8793.
 Toler, R.W. 7133.
 Tolman, J.H. 232, 4388, 6031.
 Toma, L. 246.
 Tomhave, R.H. 7516.
 Tomino, S. 964, 4034.
 Tomioka, K. 4601.
 Tomiuk, J. 6297, 8871.
 Tomlin, A.D. 5781.
 Tomov, V. 9004.
 Tompkins, L. 6050, 8557.
 Tomsett, A.D. 9667.
 Toney, J.V. 209.
 Tong, N.T. 6805.
 Tong, X.-w. 2416.
 Tonks, N.V. 9283.
 Tonkyn, D.W. 4738.
 Toohay, M.K. 3933.
 Toole, J.J. 4882.
 Toolson, E.C. 3457.
 Topoff, H. 2102, 3737, 3812, 3877, 9498.
 Topp, W. 5628, 6807.
 Topir, G. 307, 6863.
 Torchio, P.F. 2784.
 Toro, H. 5455.
 Torok, I. 8799.
 Torp, E. 2370.
 Torres, J., Jr. 2700, 8549.
 Tosic, M. 2166.
 Toso, G.G. 694, 6414.
 Toth, L. 5866.
 Toth, M. 976, 1064, 4832, 5447, 7515.
 Toulmond, A. 2500.
 Tourlan, D. 8047.
 Tourneur, J.C. 4517.
 Touzeau, J. 4845.
 Towlers, A.A. 5784.
 Towlers, G.H.N. 9189.
 Townes, H. 1513.
 Townsend, B.C. 146.
 Townsend, C.R. 372, 3999.
 Townsend, L.H., Jr. 5640.
 Townson, H. 5728.
 Toyota, M. 4446.
 Tozer, R.S. 2016.
 Traciuc, E. 6088.
 Traff, G. 8052.
 Trajano, E. 584.
 Tramezzani, J.H. 1601.
 Trammel, K. 2098.
 Trandaburu, V. 9276.
 Traniello, J. 2771, 6075.
 Traniello, J.F.A. 1870, 4477, 9644.
 Traub, B. 3224.
 Traut, H. 4915, 6427.
 Traut, W. 4881.
 Treeful, L.M. 2454, 5498.
 Tregear, R.T. 213.
 Treherne, J.E. 3748, 6942.
 Tremblay, E. 2394, 9228, 9371, 9449.
 Tremewan, W.G. 731, 6192.
 Trentini, M. 4043, 6513.
 Trepte-Feuerborn, C. 4561.
 Trepte, H.-H. 1847, 6133, 6884.
 Trepte, H.H. 4561.
 Tresor, C. 5676.
 Trestrail, J.H., III 5383.
 Treverrow, N.L. 2810.
 Trew, A. 7408.
 Trewern, M.A. 4914.
 Triantaphyllidis, C.D. 2164.
 Triberti, P. 2428, 3389.
 Tricca, G. 4594.
 Triggiani, O. 3083.
 Tripathi, C.P.M. 1033, 3639.
 Triplehorn, C.A. 4140, 8168.
 Tripp, J.R. 8506.
 Trippa, G. 3143, 6426, 6453.
 Trjapitzin, V.A. 98.
 Troger, H. 6625.
 Troiano, G. 6414.
 Troppmair, H. 7005.
 Trospier, J.H. 4788.
 Trostle, G.C. 3075.
 Trotter, R. 5526.
 Trought, T.E.T. 3987.
 Troyer, D. 2524.
 Trpis, M. 5529, 7851, 8882.
 Trueman, E.R. 1617, 2258.
 Truett, M.A. 9674.
 Trujillo-Cenoz, O. 4594.
 Trukhinova, S.A. 2710.
 Truman, J.W. 7636, 7637, 9187.
 Trumble, J.T. 1008, 5687, 7870.
 Tsacas, L. 800, 5884, 9041.
 Tsacopoulos, M. 1630, 6014.
 Tsai, H.-I. 4341.
 Tsai, J.H. 5924.
 Tsai, L.-y. 5218.
 Tsai, L.Y. 5217.
 Tsai, P.-h. 2416.
 Tsakas, S.C. 7166.
 Tsang, K.R. 7545.
 Tsao, P.W. 5645.
 Tschinkel, W.R. 3015, 5715, 6458, 8418.
 Tseng, Y.-H. 8737.
 Tsing, C.W. 1764.
 Tsiropoulos, G.J. 3503, 5234, 6027, 7495, 9210.
 Tsitloul, S.G. 4021.
 Tsitsipis, J.A. 2737.
 Tsonis, P.A. 4004.
 Tsou, B.-s. 9218.
 Tsuchida, K. 2714.
 Tsuchiya, D. 4721.
 Tsuchiyama, A. 3584.
 Tsukaguchi, S. 6916.
 Tsuneki, K. 1514.
 Tsuruhara, T. 7475.
 Tsusue, M. 6062, 9692.
 Tsuyama, S.; Miura, K. 6792.
 Tucic, N. 4086, 6442.
 Tuck, K.R. 8280.
 Tucker, K.W. 4929, 6957.
 Tudor, C. 1983, 2912.
 Tugwell, N.P. 4325.
 Tuichibaev, M.U. 6808.
 Tukey, P.M. 7859.
 Tuli, S. 9155.
 Tullis, R.E. 5340.
 Tumlinson, J.H. 2603, 4837, 7532, 9237.
 Tumurasvin, W. 7144.
 Turco, E. 7940.
 Turell, M.J. 2015.
 Turillazzi, S. 204, 3740, 8570.
 Turin, H. 7791.
 Turk, S.Z. 5475.
 Turnbow, R.H., Jr. 4143, 6182.
 Turnbull, A.L. 3853.
 Turnbull, I.F. 1599, 1766, 5253.
 Turnbull, S.A. 6110.
 Turner, B.V.H. 2981.
 Turner, E.C., Jr. 5640, 8705.
 Turner, J.W. 548, 3952, 6241, 8639.
 Turner, K.J. 4790, 4791.
 Turner, M.E. 626.
 Turner, M.J. 4462.
 Turnipseed, S.G. 1989.
 Turrentine, J.D., Jr. 5331, 9227.
 Turturro, A. 8357.
 Turunen, S. 958, 1676, 1721, 4390, 4537, 4538, 6810.
 Tuxen, S.L. 149, 2440.
 Tuzovskii, P.V. 8338.
 Tweedle, C.D. 2535.
 Tweeten, K.A. 5357.
 Twigg, J. 5252.
 Twine, P.H. 1775.
 Tyagi, N. 1464.
 Tyler, B.M.J. 6285.
 Tyler, R.C. 4314.
 Tyndale-Biscoe, M. 7804.
 Tyrrell, D. 8691.
 Tysell, B. 4339.
 Tyshchenko, V.P. 8515.
 Tyshchenko, V.P. 2746.
 Ubeda Ontiveros, J.M. 1427.
 Uchida, M. 397, 4458, 7593.
 Uchikawa, K. 1423, 4137.
 Uchiumi, K. 8430.
 Uchmanski, J. 4759, 4760.
 Uebel, E.C. 3458, 4342, 5254, 6003.
 Ueda, M. 7607.
 Uematsu, H. 4544.
 Uematsu, S. 450, 3113, 9503.
 Uemoto, K. 1486, 5894.
 Ueno, S.-I. 4189.
 Uetz, G.W. 6967.
 Ugarova, N.N. 277, 3571, 7541.
 Ugolini, A. 3691.
 Uhlenbeck, O.C. 1297.
 Uhlig, M. 4995.
 Uhlmann, G. 4185, 6564, 8112.
 Uilenberg, G. 2024, 4774.
 Ulber, B. 5537.
 Ulmanen, I. 2358, 3935.
 Ulrich, H. 9037.
 Ulrich, R.G. 4663.
 Umezurike, C.M. 6041.
 Undeen, A.H. 3908, 5667.
 Underhill, E.W. 1703, 5328, 8431.
 Underwood, E.M. 2499.
 Undurraga, J.M. 1807, 1809.
 Ungerman, G. 5282.
 Ungethum, E. 6751.
 Ungureanu, E.M. 1758.
 Unzicker, J.D. 6169.
 ur-Rehman, W. 3080.
 Ur, T. 1732.
 Urban, D. 825, 892, 903.
 Urbanek, R. 5636.
 Urbani, C.B. 827, 828, 5933.
 Urquhart, F.A. 6268.
 Urvoy, J. 8381.
 Usher, M.B. 5189.
 Usherwood, P.N.R. 1609, 2510, 9160.
 Usmani, M.K. 8499.
 Uspenskij, I.V. 1698, 4552.
 Uther Baker, F.H. 50.
 Utsumi, K. 952.
 Utzeri, C. 6269.
 Uygun, N. 7565, 9007.
 Vachon, A. 5090.
 Vaganov, E.A. 2693.
 Vagina, N.P. 8439.
 Vago, C. 5356.
 Vail, S.G. 4625.
 Vaisanen, R. 3354.
 Vaishampayan, S.M. 3093.
 Vakkari, P. 1348.
 Val, F.C. 6527, 6528.
 Valade, M. 1827, 2012.
 Vale, G.A. 1889, 5327, 5584.
 Valeeva, F.S. 1729.
 Valencia, R. 5743.
 Valencia, V. 4694.
 Valenta, Z. 8558.
 Valente, D. 6823.
 Valente de Oliveira, M.T.M. 6823.
 Valentine, B.D. 8113, 8927.
 Valentine, E.W. 3868, 3984.
 Valentine, H.T. 6961.
 Valentini, W.J. 3944.
 Valero, J. 2648.
 Valiakhmedov, B.V. 7291.
 Valla, M.E. 6963.
 Valladares, G. 3765.
 Valletta, A. 3229.
 Valley, K. 5627.
 Valovage, W.D. 8425.
 Valtonen, P. 6517.
 Valvassori, R. 2516, 7457.
 van Aartsen, B. 3210, 3211.
 van Achterberg, C. 5238.
 van Alphen, J.J.M. 3760.
 van Bronswijk, J.E.M.H. 1194, 7850.
 van Bruegel, F.M.A. 8794.
 Van Byrd, R. 189.
 Van de Klashorst, G. 454.
 van de Klashorst, G. 6101.
 van de Weghe, P. 3961.
 van Deliden, W. 1804, 2163, 3156.

- van den Assem, J. 1863, 3687, 4970, 6918.
 van den Berg, M.A. 543, 1260, 6251, 6252.
 van den Bovenkamp, W. 7490.
 van den Brink, W.J. 4952.
 van den Broek, A.T.M. 3643, 6815.
 van den Brock, H.C. 8794.
 van den Driessche, P. 3865.
 van den
 Hondel-Franken, M.A.M. 3643, 6046.
 van der Kerk-van Hoof, A.C. 6046.
 van der Beek, C.P. 596.
 van der Broek, L.J. 1954.
 van der Geest, L.P.S. 6865.
 van der Glas, H.W. 3697.
 van der Hammen, L. 1419.
 van der Horst, D.J. 6039, 6046.
 van der Linde, T.C.de K. 7718.
 van der Meijden, E. 2832.
 van der Molen, J.N. 6771.
 van der Pers, J.N.C. 6249.
 van der Ploeg, M. 4016, 6418.
 van der Vecht, J. 6668.
 van der Wolk, F.M. 6766.
 van der Zanden, G. 4270.
 van Deussen, J.L. 1964.
 van Dijken, F.R. 2171, 2172, 2173.
 van Dintjer, J.B.M. 5664, 6994.
 van Drongelen, W. 2856, 5745, 7991.
 Van Duyn, J.W. 1159, 5458.
 van Eck, W.H. 6867.
 van Emden, H.F. 6356, 6799.
 van Essen, F. 1043.
 van Essen, F.W. 5379.
 van Etten, J. 7414.
 van Frankenhuyzen, A. 2601, 7709.
 van Gerwen, A.C.M. 1844, 7634.
 van Ham, M. 445.
 Van Handel, E. 347.
 van Handel, E. 4563.
 van Heemert, C. 3137, 4952.
 van Heemert, K. 5735.
 van Helsing, P.J. 7184.
 van Herreweghe, J. 1672.
 van Honk, C.G.J. 5350.
 van Honk, C.G.J. 6905.
 van Hook, R.I. 4734.
 van Huis, A. 3668.
 van Huizen, T.H.P. 2467, 4708, 7983.
 van Lennep, M. 303.
 Van Lenteren, J.C. 2081.
 van Lenteren, J.C. 5548, 5694.
 van Loon, J.J.A. 5745.
 van Marrewijk, W.J.A. 6815.
 van Pelt-Verkuil, E. 4413, 4414.
 van Pletzen, R. 7718.
 van Praagh, J.P. 224, 7099.
 van Praet, H. 1187, 2471, 2781.
 van Riper, C.III 4724.
 van Sambeek, J.W.:
 Bridges, J.R. 6149.
 van Sambeek, M.P.J.W. 2173.
 van Schoonhoven, A. 7072.
 Van Sickle, G.A. 2077.
 van Smith, H. 4806, 4808.
 van Steenwyk, R.A. 6370.
 van Straaten, L. 7574.
 van Vondel, B.J. 3203.
 Vancassel, M. 1857, 3689.
 Vandepopuliere, J.M. 9561.
 Vander Meer, R.K. 3704, 7532.
 Vanderborght, O.L.J. 4466.
 Vandermeer, J. 2941.
 Vane-Wright, R.I. 7387.
 Vanek, T. 886.
 Vangenechten, J.H.D. 4466.
 Vanhercke, L. 8655.
 Vanin, S.A. 8334.
 Vannier, G. 5341, 8413.
 Vannini, M. 3691.
 Vannote, R.L. 1092, 3645.
 Varadaraj, G. 6802, 9219.
 Vardi, N. 8366.
 Vardy, C. 5941.
 Vargas, M. 1261.
 Varjas, L. 553.
 Varju, D. 1866, 1867, 6928.
 Varma, R.V. 6836.
 Varola, P. 55.
 Vartanian, G. 4741.
 Varvio-Aho, S.-L. 7162, 7977, 8886.
 Varvio-Aho, S.L. 646.
 Vasarhelyi, T. 4244, 8208, 8223.
 Vashakidze, R.P. 1306.
 Vasilieva, I.S. 4740.
 Vassallo, J.M. 4095.
 Vasudevan Nair, K.P. 2647.
 Vats, L.K. 194, 898, 1655, 1783, 1986, 4334.
 Vatti, K.V. 1030.
 Vaughan, G.L. 8793.
 Vaughan, J.A. 3728.
 Vauk, G. 4101.
 Vaurie, P. 6572.
 Vaz Nunes, M. 1645.
 Vazquez, A.M. 9682.
 Vecchi, M. 2179.
 Veerabhadrapa, P.S. 4427.
 Veerkamp, F.A. 4583.
 Veerman, A. 1027, 1645.
 Vega Escandon, F. 703, 1103.
 Veiga, A.F.De S.L. 7087.
 Veivers, P.C. 5291.
 Velazquez, J.M. 3135.
 Velthuis, H.H.W. 1073, 2760, 5350.
 Venable, T.L. 4462.
 Venkat Reddy, P. 5325.
 Venkatesan, P. 1854, 2556, 8583.
 Venkatesan, R.A. 4421.
 Venkatesh, K. 424, 2564, 5442.
 Venkateswarlu, D. 3602.
 Venugopal, M.S. 6347.
 Vepsalainen, K. 5634, 5756.
 Vercammen-Grandjean, P.H. 4163, 5059.
 Vereiskaya, V.N. 1594.
 Vereyken, P.H. 3047.
 Verges Serra, F. 7202.
 Verhoef, H.A. 4471.
 Verlinden, L. 5129.
 Verma, B.P. 4558.
 Verma, G.D. 3958.
 Verma, G.P. 1838, 4558, 8500.
 Verma, K.K. 7774.
 Verma, K.L. 6357.
 Verma, M. 6654.
 Verma, S.B. 2731, 4973.
 Verma, S.C. 9716.
 Verma, S.K. 5677.
 Verma, V.P. 8500.
 Verner, P.H. 8328.
 Vernoff, S. 4621, 5354.
 Vernon, C.A. 6813.
 Veronese, G. 7518.
 Veron, H. 5262.
 Verves, J.C. 9742.
 Verves, Y. 6618.
 Verves, Y.G. 8913.
 Verves, Yu.G. 6616, 6619.
 Vet, L.E.M. 5694.
 Vetter, R.S. 6209.
 Veyrunes, J.C. 8453.
 Viana, P.A. 2812.
 Vianello, A. 7518.
 Vianna, M.J.B. 8982.
 Vick, K.W. 2763, 4597.
 Vickerman, G.P. 3823, 5518.
 Vidal, B.C. 1730, 4884.
 Vidal, O.R. 4037.
 Vidano, C. 5982.
 Viejo Montesinos, J.L. 488.
 Vienna, P. 3357, 6578.
 Viets, K.O. 6, 2287, 8966.
 Viette, P. 850, 3387.
 Viette, P.E.L. 5188.
 Viggiani, G. 6136, 7093, 7547, 7571, 9075, 9076, 9086, 9178, 9591, 9618, 9733.
 Vigna Taglianti, A. 8998.
 Viitasari, M. 109, 4277.
 Vijaya Joshi 8636.
 Vijayalakshmi, L. 4827.
 Vijayalakshmi, S. 6148.
 Vijayambika, V. 4820.
 Vijayamma Thomas 2021.
 Vijaykumar, N.K. 3632.
 Vikar, E.V. 8740.
 Vikberg, V. 4279.
 Vilageliu Arques, L. 248.
 Vilbaste, J. 639.
 Vilela, C.R. 6527, 8943.
 Villacorta, A. 2448, 6087, 7038.
 Villani, G. 2126.
 Villanueva, A. 4894.
 Villarroel, D. 2606.
 Villavaso, E.J. 2059.
 Villemant, C. 4739, 8748.
 Villiers, A. 1411, 1412, 3259, 4194, 8075.
 Vincent, C. 6342.
 Vincent, J.F.V. 3460, 4345, 4346.
 Vincent, L.E. 1768.
 Vincent, L.S. 4622.
 Vincent, M. 9199.
 Vinikour, W.S. 1913, 7915, 8657.
 Vinis, G. 2395.
 Vinod, P. 7948.
 Vinogradov, A.E. 4030.
 Vinson, S.B. 272, 1118, 1591, 3523, 3569, 4502, 6070, 6235, 7435, 7474, 7668, 8779, 9185.
 Violante, A. 4369.
 Viraktamath, C.A. 2391, 3367, 5919, 7339, 7340, 7341, 8236.
 Viraktamath, S. 3367.
 Virkki, N. 3831.
 Visalakshi, A. 1883, 3092, 6226, 6253, 6335, 6354.
 Visscher, P. 4428.
 Visscher, P.K. 2106, 3994.
 Visser, J.H. 929.
 Vistorin, H.E. 6'27.
 Vit, S. 6577, 7193.
 Vita, G. 7884.
 Vite, J.P. 1267, 5324.
 Vittum, P.J. 6181.
 Vives, E. 3308.
 Vives Moreno, A. 692, 752, 1380, 3227, 7386, 9093, 9095, 9738.
 Vlahopoulos, V. 8377.
 Vlasova, I.E. 1729.
 Vlayen, P. 7563.
 Vleck, C.M. 8417.
 Vleck, D. 8417.
 Vockeroth, J.R. 7311, 7314.
 Vodopich, D.S. 8788.
 Voegelé, J. 5630, 5943, 7834.
 Voegtlin, D. 9751.
 Voelker, R.A. 593, 630, 3151, 5740.
 Voellmy, R. 4871.
 Vogel, E.W. 8319.
 Vogel, J. 1363, 1364, 2215, 3197, 4995, 5873, 9023.
 Vogler, W. 1376.
 Vogt, F.D. 5476.
 Vogt, T.E. 8937.
 Vogt, W.G. 5421.
 Vohra, P. 8412.
 Voigt, E. 553.
 Voigt, W.P. 2024.
 Voike, E. 4939.
 Voisin, J.-F. 8307.
 Vojnits, A.M. 8261, 8264, 8265.
 Volegova, K.V. 4714.
 Volkovitch, T.A. 1824.
 Vollrath, F. 2758, 7737.
 von der Mark-Neuwirth, H. 3510.
 von Mentzer, E. 2427, 7373.
 von Sengbusch, P. 741.
 Vongtangswad, S. 5529.
 Vorke, E. 9691.
 Vorob'eva, L.I. 2740.
 Voshell, J.R., Jr. 3734.
 Voshell, J.R., Jr. 3412, 8345, 9106, 9139, 9659.
 Voss, G. 1757, 1771, 2446.
 Vosselman, L. 4903.
 Vostrowsky, O. 979, 6051.
 Vournakis, J. 5729.
 Vu, M.H. 980.
 Vuola, M. 4613, 8573.
 Vyhmeister, G. 723, 5796.
 Waage, J.K. 2913.
 Wacławski, I. 4339.
 Wada, E.M. 3010.

- Wada,T. 359, 5412, 7783.
Wada,Y. 3345, 3703, 3912, 4454, 4766, 4767, 7519.
Wade,L.J. 1226.
Wade,M.J. 2182, 2185, 2186, 4966.
Wadnerkar,D.W. 1885.
Wagan,M.S. 8497.
Wagner,M.R. 9464.
Wagner,R. 582, 4238, 4860, 5890, 6507.
Wagner,R.E. 110.
Wagner,T.L. 7818.
Wagner,W.H., Jr. 5561.
Wago,H. 1650, 7454.
Wah Lim,T. 525.
Wahis,R. 839, 5178.
Wainhouse,D. 2458, 5575.
Waite,G.K. 2776.
Wakamura,S. 3549.
Wakil,H.M. 649.
Wakimoto,B.T. 3133, 6391, 6393.
Walbridge,C.T. 1778.
Walcott,B. 8565.
Waldbauer,G.P. 881, 5399, 7172.
Waldvogel,H. 4373.
Walentowicz,A.T. 8790.
Walker,A. 7688.
Walker,G.P. 5401.
Walker,J.K. 1131.
Walker,J.M. 7804.
Walker,P.L. 9335.
Walker,T.J. 7596.
Walker,T.W. 528.
Walker,V.K. 5297, 5310.
Wall,B.J. 6827.
Wall,C. 5975, 5979.
Wallace,B. 6307.
Wallace,B.M.N. 619.
Wallace,H.G. 525.
Wallace,I.D. 1572.
Wallace,J.B. 1276, 1897, 3124, 6389, 9660.
Wallace,M.M.H. 7804.
Wallace,W.M. 3769.
Waller,D.A. 1893.
Waller,G.D. 9445.
Wallis,G.W. 5398.
Wallner,W.E. 5506.
Wallova,E. 3086, 9624.
Waliwork,J.A. 8324.
Waloff,N. 5219.
Waloff,Z. 1265.
Walsh,D.J. 8318.
Walsh,J.F. 8722.
Walsh,S. 9278.
Walter,G. 4101.
Walter,J.E. 7185.
Walter,P. 2956, 3243.
Walters,L.L. 2110, 2997.
Walters,P. 3072.
Walton,B.T. 2665, 6879.
Walton,G.A. 8902.
Walton,L. 5493.
Waner,J.L. 3927.
Wang,B.-T. 1746.
Wang,D.-g. 7249.
Wang,H.-f. 15.
Wang,P.-y. 5203.
Wang,R. 343.
Wang,T.-s. 4479.
Wang,Y. 7567.
Wangberg,J.K. 380, 579, 7684.
Wanjala,F.M.E. 1962.
Wankhede,N.-P. 3065.
Wanless,F.R. 3287, 8105, 8106.
Wanner,H. 4660.
Waquil,J.M. 1233, 2812.
Warburg,M.R. 2001, 6952.
Ward,C.R. 2606, 2675, 3960.
Ward,J.P. 1065, 7660.
Ward,J.V. 1899.
Ward,P.S. 5168, 7167.
Ward,R.D. 9701.
Ward,R.M. 444.
Wardhaugh,K.G. 1808, 5400.
Wardlaw,J.C. 9421.
Ware,G.W. 550, 7081.
Waring,P. 7413.
Warn,R.M. 3620.
Warnecke,K. 6655.
Warnecke,M. 2024.
Warner,C.K. 4071.
Warner,S.J. 6902, 6908.
Warren,M. 520, 6332.
Warren,McW. 2973.
Warren,R.G. 6488.
Warren,T.G. 3677.
Warthen,J.D., Jr. 3458, 4342, 6003.
Warthern,J.D., Jr. 5254.
Washburn,R.I. 8463.
Washino,R.K. 3002, 3921.
Washio,H. 984, 4360.
Wasserman,M. 4893, 7173.
Wasserthal,L.T. 6761.
Wasserthal,W. 6761.
Wasti,S.S. 4718, 6082.
Watanabe,H. 3088, 3893, 7548, 8086.
Watanabe,I. 8465.
Watanabe,K. 2445, 3517.
Watanabe,M. 7027.
Watanabe,T.K. 1334, 4946.
Waterhouse,D.F. 3979.
Waters,K.S. 1214, 1215, 1216.
Waters,T.F. 2119.
Waterston,A.R. 8897.
Watkins,J.F., II 1105.
Watrous,L.E. 8168, 9026.
Watson,J.A.L. 111, 1573, 5958, 9088.
Watson,J.K. 8939.
Watson,P.L. 4492.
Watson,R.N. 3814.
Watson,T.F. 550, 7714, 9319, 9320.
Watt,A.D. 1333.
Watt,J.C. 6292, 6567.
Wattal,B.L. 2870.
Watts,C.H.S. 8947.
Watts,D.T. 4071.
Watts,S. 7558.
Wauthy,G. 2272.
Way,M.O. 1154.
Weatherston,J. 262, 4463, 6076.
Weaver,E.C. 5716.
Weaver,J.S., III 3120.
Weaver,N. 5716.
Weaver,R.F. 4300, 4418.
Weaver,R.J. 3548, 6912, 8408.
Webb,D.W. 6386.
Webb,G.C. 4008.
Webb,J.C. 6077.
Webb,J.W. 5609.
Webb,M.D. 4254.
Webb,P.M. 4426.
Webb,R.E. 473.
Webb,R.S. 1935.
Weber,B.C. 9424, 9425, 9430.
Weber,F. 1183.
Weber,J.D. 1004.
Weber,K.A. 1967.
Weber,L. 5624.
Weber,M. 8185.
Weber,T. 6839.
Webley,D.J. 8479.
Webster,G.C. 9295.
Webster,J.A. 1153.
Webster,J.M. 4804.
Webster,S.L. 9295.
Wedlake,P. 8304.
Weeda,E. 1682, 4408, 6812.
Weeks,J.R. 3151.
Weems,H.V., Jr. 1.
Wehner,R. 931, 2546, 2547, 8382.
Wehrhahn,C. 224, 4350, 4375.
Wei,C.-K. 1908.
Wei,D.-y. 4581.
Weibel,D.E. 7897.
Weidhaas,D.E. 2686, 9580.
Weinberg,H.L. 1796.
Weiner,W.M. 7305.
Weinmann,C.J. 2053.
Weintraub,J. 7448.
Weires,R.W. 5592, 6339, 9517, 9599, 9619.
Weis,A.E. 5607.
Weisbroth,S.H. 3770.
Weiser,J. 2653, 6845.
Weismann,L. 6894.
Weiss,D. 9044.
Weiss,J. 4438.
Weiss,K. 6870.
Weiss,M. 878, 1810, 9143.
Weiss,M.J. 2841.
Weissman,D. 2688.
Weissman,D.B. 4296, 4975, 5212, 5582.
Weissmann,Z. 8087.
Welch,H.E. 8618.
Welch,H.M. 8802.
Welch,J.G. 5666.
Welch,R.C. 3191.
Welker,U. 6763.
Welles,R.L. 7847.
Wellik,M.J. 1961.
Wellings,P.W. 4650, 7609.
Wellington,W.G. 4553, 9541, 9542.
Wellman,S.E. 4570, 4576.
Wells,A. 8294.
Welsh,R.D. 3948.
Welshons,W.J. 8804.
Wen,J. 7567.
Wen,W.-N. 2463.
Wendell Snow,J. 1127.
Wendler,G. 9186.
Wenk,P. 6873.
Wensink,P.C. 2133, 7139, 7931.
Went,D.F. 4053.
Wenzel,R.L. 7831.
Wenzl,P.A. 1911, 4586.
Werner,F. 7438.
Werner,F.G. 460, 511.
Werner,P. 7107.
Werner,A.A. 3713, 4463.
Werner,T.K. 8605.
Weseloh,R.M. 1072, 7739, 8445.
West,B.K. 475.
West,T.V. 4418.
Westby,E.J. 9568.
Westcott,N.D. 5974.
Westfall,M.J. 5037.
Westgard,P.H. 8589.
Westoby,M. 6281.
Westwood,A.R. 9520.
Wetherall,R. 3072.
Wetzel,T. 7078.
Wewalka,G. 5097.
Weyda,F. 3456, 7586.
Weyer,A. 1212.
Whaler,B.C. 6081.
Whalon,M.E. 5675, 5680.
Wharton,R. 6657.
Wharton,R.A. 3776.
Wharton,R.H. 3907.
Wheatley,G.A. 559.
Wheeler,A.C., Jr. 1407.
Wheeler,A.G., Jr. 3733, 5627, 8068, 8594, 9395, 9484, 9613.
Wheeler,D.E. 8491.
Wheeler,G.C. 1575, 6741.
Wheeler,J. 1575, 6741.
Wheeler,J.W. 273, 2628, 3564.
Wheeler,Q.D. 9013.
Whitaker,J.O., Jr. 3767, 3769, 4139, 7250, 8097, 8619.
Whitaker,J.O., Jr. 7219.
Whitaker,T.W. 7903.
Whitcomb,R.F. 281.
Whitcomb,W.H. 3800, 4846, 9442.
White,B.N. 7137.
White,C. 1169.
White,E.G. 3848, 3863.
White,J. 2762.
White,J.R. 1226, 9623.
White,K. 4917, 8852.
White,L.D. 7621.
White,M.J.D. 4008, 4049, 8488.
White,N.D.G. 3943, 7034.
White,P.E. 8817.
White,P.F. 305.
White,R. 6397.
White,R.E. 777.
White,R.H. 8374.
White,R.R. 1354.
White,S.L. 1626.
White,T.R. 3120, 3457.
Whitehead,A.T. 7479.
Whitehead,D.R. 8064.
Whiteside,E.F. 4805.
Whiteside,M.C. 3421.
Whitfield,T. 1197.
Whitford,D.N.J. 3519.
Whitford,W.G. 7014, 7028, 9393, 9500.
Whittington,P.M. 1792.

- Whitlaw, J.T., Jr. 447.
 Whitt, T.V. 9302.
 Whittaker, J.B. 1946, 1947, 1948, 5534, 6282.
 Whitten, C.J. 3422.
 Whitten, M.J. 1007, 4040, 4867, 8473.
 Whittington, H.B. 4096.
 Whytton da Terra, L.S. 2320.
 Wiberg-Larsen, P. 3240.
 Wicher, K. 3597.
 Wicker, C. 2583.
 Wickremasinghe, R.L. 2058.
 Wickremasinghe, R.S.B. 6089.
 Widerholm, T. 65, 4854.
 Widstrom, N.W. 297, 3039, 9634.
 Wiebes, J.T. 4953, 6651, 7363.
 Wiebes-Rijks, A.A. 2401.
 Wiech, K. 7896.
 Wiecek, H. 6020, 6763.
 Wiedenmann, G. 4382, 4383.
 Wiederholm, T. 71.
 Wiedl, S.C. 9744.
 Wieland, G.E. 7917.
 Wielgosz, S. 7919.
 Wielgus, J.J. 1600.
 Wiener, L.F. 1879, 5520.
 Wieschaus, E. 3153.
 Wieslander, L. 4016.
 Wiesner, C.J. 2605.
 Wiesner, J. 6569.
 Wightman, J.A. 3519, 3745, 3828, 3864.
 Wighton, D.C. 7324.
 Wigley, P.J. 286, 3825, 6080.
 Wikel, S.K. 531.
 Wiklund, C. 5562, 7796.
 Wilbert, H. 5555.
 Wilbur, H.M. 6936.
 Wilcox, D.R. 8890.
 Wilcox, M. 2496.
 Wilde, G. 6337, 6350.
 Wiley, M.J. 400, 7108, 8787.
 Wilhelmson, C. 3770.
 Wilke, M.F. 2357.
 Wilkerson, R. 7769.
 Wilkes, T.J. 6943.
 Wilkie, G.E.I. 917.
 Wilkie, J.S. 1691.
 Wilkin, P.J. 4154.
 Wilkinson, C.F. 5313, 8416.
 Wilkinson, P. 1338, 8712.
 Wilkinson, R.C. 8598, 8770.
 Wilkinson, R.S. 8007, 9117.
 Wille, A. 1584.
 Willemsse, F. 139.
 Williams, B.A. 4154.
 Williams-Boyce, P.K. 6787, 7578.
 Williams, C.M. 1051, 1850.
 Williams, C.S.F. 4677.
 Williams, D. 1202.
 Williams, D.F. 176, 1102, 3434, 9286.
 Williams, D.J. 821, 2392, 6377, 8948, 9072.
 Williams, D.S. 1639, 4372.
 Williams, E.R. 1816.
 Williams, G.E. 5652.
 Williams, H.J. 6070.
 Williams, I.H. 1969.
 Williams, J.F. 4677.
 Williams, J.O. 2883.
 Williams, K.L. 1844, 7634.
 Williams, K.S. 9483.
 Williams, M.C. 6222, 9403.
 Williams, M.L. 4332, 4664, 5788, 9070.
 Williams, N.D. 7889.
 Williams, P. 8571.
 Williams, R.E. 2019, 5652, 9568.
 Williams, R.N. 2841.
 Williams, R.W. 6913.
 Williams, S.A. 4983.
 Williams, T.R. 8798.
 Williams, V.G. 7874, 9570.
 Williams, W.P. 9128.
 Williamson, D.L. 281.
 Williamson, J.H. 1688, 5297, 5310.
 Willink, A. 5174.
 Willis, J.H. 328, 1602, 1603.
 Willis, N.L. 7966.
 Willis, W.S. 2744.
 Willmann, R. 2480, 8286.
 Willmer, P.G. 2614, 6255.
 Willson, H.R. 2098, 7692.
 Wilps, H. 3527, 8356.
 Wilson, B. 7907.
 Wilson, C. 1036.
 Wilson, D.A. 3249, 3721.
 Wilson, D.M. 297, 6791, 9634.
 Wilson, E.O. 3108, 3109.
 Wilson, E.R.L. 3809.
 Wilson, F.D. 6364, 8624, 8643.
 Wilson, G.G. 5360.
 Wilson, I.D. 4433.
 Wilson, L.F. 7016.
 Wilson, L.T. 2971, 3898, 3963.
 Wilson, M.C. 1035.
 Wilson, M.E. 4486.
 Wilson, M.R. 5146.
 Wilson, N. 721, 4676.
 Wilson, P.G. 8866.
 Wilson, R. 4944.
 Wilson, R.F. 9433.
 Wilson, R.L. 6364, 9476.
 Wilson, S.W. 720, 3254, 6291, 9136, 9413.
 Wilson, T.G. 4916.
 Wilson, W.T. 7763, 9263.
 Wiltshire, E.P. 6538.
 Winder, J.A. 395.
 Windmill, D.M. 4396.
 Windsor, D.M. 2820.
 Winegar, J.J. 5438.
 Wing, K.D. 7535.
 Wingfield, M.J. 7787.
 Winkhardt, H.-J. 2036.
 Winkler, J.R. 5847, 5848.
 Winner, R.W. 1475.
 Winstanley, W.J. 6299, 6493, 6742.
 Winston, J.A. 2864.
 Winston, M.L. 1106, 9630, 9639, 9645.
 Winter, K. 4810, 7042, 7044.
 Winterbourn, M.J. 2796, 5038.
 Wiren, A. 3114, 7019.
 Wirth, W.W. 1473, 2351, 3341, 3344, 4224, 8181.
 Wirtz, R.A. 2461, 5331, 9227, 9577.
 Wise, D. 5737.
 Wise, D.H. 7021.
 Wise, E.J. 1280, 2481.
 Wiseman, B.R. 3026, 3039, 6960, 7760, 8312, 8729.
 Wiseman, J.R. 3856.
 Wismann, K. 9245.
 Wisniewski, J. 1590, 5811.
 Wissing, T.E. 237.
 Wit, L.C. 1686.
 Witalinski, W. 6779.
 Witanachchi, J.P. 2757, 8622.
 Withee, W. 9575.
 Withers, P.C. 8404.
 Witkowska, D. 7898.
 Witkowski, J.F. 1762, 3038.
 Witkowski, W. 7886.
 Witt, T. 2207, 7369.
 Witter, J.A. 1928, 9387.
 Witteveen, J. 4471.
 Witteveen-Pillen, I. 3137.
 Wittmann, D. 224.
 Wittmer, W. 764, 4188, 8117.
 Wiygul, G. 2460, 6132, 6848.
 Wnuk, A. 7896.
 Woessner, R.A. 1266.
 Woets, J. 5694.
 Wohlers, D. 3476.
 Wohlers, D.W. 2536.
 Wohlers, P. 971, 8604.
 Wohlfahrt, T.A. 8427, 8892.
 Wohlgemuth, R. 3551.
 Wohrmann, K. 6297, 8871.
 Woiod, I. 6261.
 Woiod, I.P. 3896.
 Wojciechowska, M. 3586.
 Wolburg-Buchholz, K. 2539.
 Wolda, H. 4751.
 Wolf-Neis, R. 8546.
 Wolf, R. 6018.
 Wolf, W.A. 7536.
 Wolfe, G.W. 8336.
 Wolfe, R.L. 7412.
 Wolfe, V.J. 3856.
 Wolfenbarger, D.A. 3610, 3630, 3937, 6348.
 Wolff, R.J. 8930.
 Wolfson, J.L. 1822.
 Wollkind, D.J. 9528.
 Wolstenholme, D.R. 2132, 4029, 7929.
 Wong, T.L. 988.
 Wood, P.T.K. 8704.
 Woo, S.M. 7643.
 Wood, D. 6919, 7157.
 Wood, D.L. 3554, 5559, 6927, 7905, 9231, 9480.
 Wood, E.J. 7429.
 Wood, F.E. 8724.
 Wood, H.A. 9130.
 Wood, J. 6198.
 Wood, M.R. 6759.
 Wood, R.J. 6408, 8802.
 Wood, T.G. 3102, 3244, 5707.
 Wood, T.K. 1355, 9703.
 Wood, W.J. 2125.
 Woodall, J.P. 1192.
 Woodard, A.G. 2836.
 Woodburn, T.L. 5421.
 Woodhead, S. 2885.
 Woodring, J.P. 4391, 6025, 6145.
 Woodruff, R.C. 1825, 5743, 6419.
 Woodruff, R.E. 2792, 8730.
 Woods, D.F. 8833.
 Woods, L.C. 7120.
 Woodward, D.F. 8484.
 Woodward, T.E. 1493.
 Wool, D. 4505, 5295.
 Wooldridge, D.P. 7288, 8149.
 Woolf, C.M. 1324.
 Worcel, A. 3129.
 Workman, R.B. 7420, 9622.
 Worm, R.A.A. 965, 4416, 6044.
 Wormington, W.M. 4418.
 Worth, C.B. 1543.
 Worthington, R.E. 6791.
 Wortmann, F. 1010.
 Wotton, R.S. 2824.
 Wouts, W.M. 8757.
 Woyke, J. 9303.
 Wratten, S.D. 2865.
 Wright, C.G. 3719.
 Wright, E.J. 6293.
 Wright, E.Y. 9667.
 Wright, F.C. 441, 518, 3521.
 Wright, J.D. 1746.
 Wright, J.E. 969, 2059, 2460, 3635, 5404, 6105, 6132, 9322, 9340.
 Wright, L.C. 9471.
 Wright, R.E. 1168, 2998, 6303.
 Wright, T.B. 9374.
 Wright, T.R.F. 9667.
 Wright, V.F. 235.
 Wu, C. 591.
 Wu, C.-F. 4063.
 Wu, H.Y. 5217.
 Wu, K.-c. 6150.
 Wu, S.-L. 2463.
 Wu, W.-c. 5218.
 Wu, W.C. 5217.
 Wu, X.-w. 479.
 Wu, Y. 1180, 7833, 7893.
 Wu, Z.x. 160.
 Wuensche, H.L. 7441.
 Wulff, K. 2638.
 Wulker, W. 4886, 9153.
 Wunderer, H. 9177.
 Wunderlich, J. 4165, 4168, 4176, 5817, 8984.
 Wurgler, F.E. 4873.
 Wurml, M. 46.
 Wurst, R. 5729.
 Wyatt, G.R. 3673.
 Wyatt, G.R. 4431.
 Wyatt, G.R. 6814, 9352.
 Wyatt, R. 2879.
 Wygodzinsky, P. 3410, 5968, 8222.
 Wylie, H.G. 4535, 6061.
 Wyman, A.R. 6397.
 Wyman, J.A. 1145, 6370, 7894.
 Wyman, R. 4352.
 Wynberg, H. 2637.
 Wynholds, P.F. 4825, 9485.
 Wynne, J.C. 6283.
 Wypych, J. 3597, 9278.
 Wysoki, M. 288, 4746.
 Wyss, C. 4931.
 Wyss-Huber, M. 8387.

- Xavier,S.H. 2357, 4230.
 Xia,Z.-h. 343.
 Xiangchen,Z. 1694.
 Xiao,G.-r. 6334.
 Xie,R.-d. 4338.
 Xu,R.-m. 4763.
 Xujia,Q. 1694.
- Yaciuk,G. 3069.
 Yadav,D.N. 555.
 Yadav,J.S. 3142, 4888, 6405.
 Yaeger,P. 6437.
 Yagdiyev,A. 1968.
 Yagi,S. 4327.
 Yaginuma,T. 1288.
 Yakunin,B.M. 8651.
 Yamada,H. 970, 2786.
 Yamada,S. 1327.
 Yamada,Y. 5751.
 Yamagata,Y. 7027.
 Yamagishi,K. 2410.
 Yamaguchi,K. 2951.
 Yamaguchi,O. 7169.
 Yamaguchi,T. 4601.
 Yamamoto,A. 112.
 Yamamoto,A.F. 832.
 Yamamoto,D. 984, 4360.
 Yamamoto,H. 8399.
 Yamamoto,M. 2355, 7657.
 Yamamoto,N. 2445.
 Yamanaka,H. 130.
 Yamanaka,M. 2951, 6519.
 Yamanaka,M.K. 8399.
 Yamane,A. 980.
 Yamane,S. 110, 578, 2105.
 Yamanoi,F. 6097.
 Yamasaki,M. 2951.
 Yamasaki,T. 1530.
 Yamashita,O. 1695, 2497,
 6122, 6903, 7595.
 Yamashita,S. 4993.
 Yamaura,I. 259.
 Yamazaki,A. 3542.
 Yamazaki,S. 980.
 Yan,J.-j. 6334.
 Yanagawa,H.-a. 2445, 3518.
 Yanagida,M. 1321.
 Yanagita,T. 7555, 7556.
 Yanchevskaya,T.G. 9243.
 Yang,M.K. 249, 3650.
 Yang,S.-y. 4338.
 Yannopoulos,G. 3646, 4057,
 6407.
 Yano,K. 192, 1374, 7327.
 Yashiro,N. 7367.
 Yasuda,M. 7788.
 Yasuda,S. 8495.
 Yasuzumi,G. 2751.
 Yata,O. 188.
 Yates,W.E. 6338.
 Yathom,S. 1066, 8635.
 Yazdanpanah,H. 7573.
 Yeargan,K.V. 1892, 1906,
 2717, 5413, 9331.
 Yearian,W.C. 3955, 3956,
 4822, 6349.
 Yeboah,D. 8318.
 Yedvobnick,B. 4060.
 Yellamma,K. 3472.
 Yen,P.H. 3134.
 Yensen,D. 2791.
 Yensen,E. 2791, 8169.
- Yensen,N. 2791.
 Yih,K. 2941.
 Yin,C.-M. 2704, 3626.
 Yin,W.-y. 934, 5216.
 Ying,B. 7500.
 Yocum,J.O. 1240.
 Yoe,S.M. 5304.
 Yonce,C.E. 9603.
 Yonekura,M. 259, 7506.
 Yong,H.S. 2165.
 Yonke,T.R. 8213.
 Yoo,B.H. 8796, 8797, 8893.
 Yoo,C.M. 5309.
 Yoon,K.L. 5763.
 Yore,L. 9328.
 Yoshida,A. 4370.
 Yoshida,M. 1836.
 Yoshida,T. 5472.
 Yoshihara,T. 1113.
 Yoshimoto,C.M. 5928.
 Yoshitake,N. 2714.
 Yoshiyasu,Y. 861.
 You,Q.-t. 1930.
 You,S.-j. 1930.
 Youmans,S.J. 983.
 Young,A.M. 356, 384, 391,
 392, 416, 417, 498, 3738,
 3849, 5512, 6173.
 Young,A.S. 2024, 7855.
 Young,D. 8447.
 Young,D.K. 538.
 Young,H. 9251.
 Young,J.C. 974.
 Young,J.R. 557, 8772.
 Young,O.P. 8680.
 Young,S.R. 251, 2612, 2615,
 3559, 4467.
 Young,S.Y. 3955, 3956, 6349.
 Youngson,J.H.A.M. 8802.
 Yousef,A.-t.A. 7431.
 Yousef,A.A. 5499.
 Yousef,A.el-T. 6939.
 Yousef,N.N. 2544.
 Yu,C.H. 5287.
 Yu,S.J. 296, 956, 2876, 9615.
 Yuan,Y.-l. 13, 14, 5058.
 Yuill,T.M. 8958.
 Yukawa,J. 1472.
 Yule,W.N. 2837.
 Yumura,W. 6079.
 Yund,M.A. 4564.
 Yunker,C.E. 3269, 8349.
- Zabka,M. 4169, 4170, 5028.
 Zacharda,M. 5056.
 Zacharias,H. 8830.
 Zachariassen,K.E. 2611, 2616,
 7523.
 Zacharopoulou,A. 4057, 4969,
 6407.
 Zacharov,A.A. 7913.
 Zacharuk,R.Y. 937, 1622,
 8385.
 Zachary,D. 9349.
 Zack,R.S. 715, 801, 8615.
 Zack,S. 8378.
 Zadu,G. 8636.
 Zagniborodova,E.N. 1125.
 Zagretidinov,R.G. 6893.
 Zagulajev,A.K. 1517.
 Zahar,A.R. 2050, 5651.
 Zaher,M.A. 6939, 7254, 7431.
- Zahorowski,W. 3512.
 Zaidi,Z.H. 7482.
 Zaini,A. 7573.
 Zainiev,G.A. 1316, 1317.
 Zaitzev,A.I. 193, 5883.
 Zaitzeva,G.A. 930.
 Zajac,R. 3857.
 Zajac,Z. 4677.
 Zajancauskas,P. 7095.
 Zaka-ur-Rab,M. 912.
 Zaka-Ur Rab,M. 6743.
 Zakharov,A.A. 9418.
 Zakharov,I.K. 2159.
 Zakharova,N.F. 2710.
 Zalewska,M. 3183.
 Zalom,F.G. 1154, 2032, 4697,
 7622, 9362.
 Zalucki,M.P. 1555.
 Zambrana,I. 3831.
 Zampetti,M.F. 6504.
 Zanetti,A. 3335.
 Zapata,C. 6398.
 Zapatero Ramos,L.M. 2213.
 Zarate,L.G. 516, 9190.
 Zarate,R.J. 516.
 Zarch,N. 6281.
 Zarzycka,K. 9600.
 Zaslavsky,V.A. 2736.
 Zavaleta,L.R. 4817.
 Zaykov,A. 5161.
 Zdarek,J. 6189.
 Zdunski,D. 1329.
 Zech,E. 3977.
 Zegarelli-Schmidt,E. 651.
 Zelinka,M. 6385.
 Zemlyakova,E.G. 2710.
 Zennyoji,K. 6956.
 Zepp,D.B. 7439.
 Zera,A.J. 9704.
 Zerahh,K. 1708.
 Zerba,E.N. 7492, 9207.
 Zerova,M.D. 8249.
 Zervos,S. 1739.
 Zethner,O. 5984, 7875.
 Zhai,C.-h. 4581.
 Zhang,G.-x. 86.
 Zhang,J.-t.*; Xin,Y. 7406.
 Zhang,J.-z. 4581.
 Zhang,Z.-p. 160.
 Zhang,Z.-y. 4513.
 Zhao,J. 4648.
 Zharoo,A.A. 1842.
 Zheng,Z.-m. 141, 7400.
 Zhil'tsova,L.A. 9107.
 Zhiltzova,L.A. 5777.
 Zhimulev,I.F. 625, 2148, 4039,
 4883, 7146, 7147.
 Zhong,T.-s. 86.
 Zhou,S.-z. 6334, 7871.
 Zhou,W.-b. 7399.
 Zhu,H.-q. 4647.
 Zhuang,P.-j. 4513.
 Zidan,Z.H. 1220, 3217.
 Zimmering,S. 334, 4922, 6431,
 8844.
 Zimmerman,E.C. 738.
 Zimmerman,J.H. 6317, 9559.
 Zimmerman,J.L. 4012.
 Zimmerman,J.R. 8142.
 Zimmerman,R.H. 3910.
 Zimmermann,G. 997.
 Zimmermann,H.-P. 2502.
- Zimmermann,W. 5900.
 Zinne,K. 6026.
 Zinov'ev,A.G. 6614.
 Zinovjeva,K.B. 2187.
 Zirovnický,J. 5847.
 Zitek,K. 2026.
 Ziuzin,A.A. 24.
 Ziv,M. 309.
 Zlobin,V.V. 1470.
 Zlotorzycska,J. 2493.
 Zombori,L. 2413.
 Zondag,R. 1540.
 Zongshun,W. 1694.
 Zosidze,R.S. 7925.
 Zotov,V.A. 3488.
 Zouros,E. 2195, 7166, 8860.
 Zuber,M.S. 3056.
 Zuchlinski,J.A. 370.
 Zucoloto,F.S. 7503.
 Zumpt,F. 797.
 Zungoli,P.A. 8724.
 Zunino,M. 55, 164.
 Zur,M. 4685.
 Zur,O. 9530.
 zur Strassen,R. 1531, 4301,
 9108.
 Zuranska,I. 1579.
 Zurlini,G. 9522.
 Zuskova,Z. 338.
 Zusman,K. 1018.
 Zwick,H. 7317.
 Zwick,P. 3408, 4299, 5214,
 5215.
 Zwicky,K.T. 1728.
 Zwolinska-Sniatalowa,Z. 6817,
 7493.
 Zylberberg,L. 4475, 5348.

Subject Index

- Abacetus grandis*,
taxonomy 5845.
- Abaciscus albipunctata*,
taxonomy 852.
- Abdomen**,
cuticle, *Odontotermes obesus* 211.
functional morphology pheromone gland/brush organs,
Zygaena 3181.
glands, Ponerini 1727.
morphology, Hymenoptera 1582.
morphology, phylogeny Nematocera 4099.
morphology, *Scatophaga stercoraria* 912.
morphology, sex differentiation, *Pterotermes occidentis* /
Marginitermes hubbardi 2474.
morphology/phylogeny, Hymenoptera 7990.
sense organs, *Toxorhynchites brevipalpis* 223.
vesicles, cuticle, *Campodea silvestrii* 3456.
- Aberration (morphological)**,
see **Morphs, Teratology**
- Ablaberoides*,
taxonomy 789.
- Ablabesmyia philosphagnos*,
population levels, *Nelumbo lutea* decomposition effects on
4001.
- Ablemma*,
new species, Sabah 8975.
- Abracris*,
taxonomy/chromosomes 5960.
- Acalitus essigi*,
chemical control 540.
- Acalolepta*,
new species, Nepal 4192.
new species, Nepal 4196.
new subspecies, Japan 2313.
- Acalolepta luxuriosa*,
mass-rearing, artificial diets 4319.
- Acalymma*,
taxonomy 6568.
- Acalymma vittata*,
phagostimulants, *Cucurbita moschata* plant chemicals 1939.
- Acalypta*,
new records, Belgium 5771.
taxonomy 6636.
- Acanalonia conica*,
feeding communities 6291.
- Acanaloniidae**,
communities 6291.
- Acanthocephala femorata*,
territorial behaviour/defensive behaviour 3680.
- Acanthocerini**,
revision, Neotropical Region 1492.
- Acanthocerodes**,
new species, South Africa 776.
- Acanthocinus aedilis*,
predation 5608.
- Acanthocoris sordidus*,
populations, spatial distribution 3891.
- Acanthodelphax spinosus*,
first record, Turkey 2226.
- Acantholycosa*,
taxonomy 24.
- Acanthomastix*,
taxonomy 5802.
- Acanthomia tomentosicollis*,
survival, environmental factors 5336.
- Acanthophila**,
taxonomy 8260.
- Acanthophthirus*,
new species, Indonesia/Brazil 758.
- Acanthoscelides**,
new species, Bulgaria (People's Rep.) 41.
- Acanthoscelides obtectus*,
development, *Phaseolus vulgaris* seeds effects on 2882.
dispersal/mating 8563.
fecundity/oviposition, *Phaseolus vulgaris* effects on 6883.
interspecific interactions *Zabrotes subfasciatus*, *Phaseolus*
vulgaris stored products 1165.
reproduction, stimulation, grain 4593.
- Acanthosomatidae**,
appendages 7455.
behaviour 4627.
host plants 7775.
new records, USA South Carolina 4145.
- Acanthoxyla intermedia*,
metabolism/excretion benzoic acids 3520.
- Acarapis externus*,
chemical control 2067.
- Acari**,
association *Scolytus* 5611.
biological control Scolytidae 5690.
calcium transfer, lichens 1162.
check lists, British Isles Wales, Snowdonia 8898.
chemical control 2067, 8708.
chromosomes/phylogeny 3183.
communities 5806, 6382, 7850.
conference, book 745, 746.
control/ecology 8696.
cuticle 9157.
ecology 2920, 2967, 4721, 4855, 5471, 7019, 9664.
energetics 7497.
host plants 7777.
house dust 9581.
immature stages 5994.
morphology 8324.
new records, New Zealand 8899.
new records, Poland 2937.
new records, USA Indiana 7219.
new species, Morocco 6540.
new species, Paraguay 6541.
new species, USSR 5807.
new species/check lists, Paraguay 8089.
nomenclature, New Zealand, book 2260.
parasites mammals, population levels, Egypt, Arab Rep.
Assiut 3771.
parasitism 3767, 4139, 4773, 4798, 5757, 6230, 7749, 7860,
8618, 8619, 8709.
parasitism cattle, South Africa Transvaal 4777.
parasitism domestic animals/man, Japan 3001.
parasitism mammals, Thailand 4137.
pest control, cattle, Australia Queensland 1214, 1216.
pest resistance, hosts, bibliography 4795.
pests 6365, 8737.
phoresy 7430.
phylogeny/reproduction 8541, 8542.
physiology 4467.
population growth, soil pH effects on 3112.
populations 5641, 7008, 8681.
predation 7002.

Acari,(continued)

soil pH effects on, *Pinus sylvestris* forests 3114.
 taxonomy 8090, 8971.
 taxonomy/phylogeny 1419.
 toxicity acaricides 6858.
 vector-borne diseases 1209, 3931.
 vectors babesiosis/anaplasmosis, Zimbabwe 3022.
 zoogeography 8903.

Acaricides,
 see also **Insecticides**
 amitraz, control *Rhipicephalus appendiculatus* 7838.
 control *Acalitus essigi* 540.
 control *Acarapis externus* 2067.
 control *Amblyomma americanum* 6317.
 control *Boophilus microplus* 2030.
 control *Brevipalpus phoenicis* 3036.
 control *Haemaphysalis longicornis* 2992.
 control *Ornithonyssus sylviae* 2019, 2051, 9561.
 control *Phyllocoptura oleivora* 3946.
 control *Polyphagotarsonemus latus* 2064.
 control *Tetranychus urticae* 2075.
 control *Tetranychus urticae* /effects on *Metaseiulus occidentalis* 2078.
 DDT, effects on spatial distribution, *Ixodes trianguliceps* 4764.
 dicofol, resistance/fitness, *Panonychus citri* 4510.
 effects on oviposition/hatching, *Boophilus microplus* 1042.
 effects on weight, *Boophilus microplus* 9558.
 evaluation biological activity, methodology 879.
 integrated control *Panonychus ulmi* , orchards, New Zealand 2090.
 NRDC-161/permethrin, control *Eutrombicula alfreddugesi* 9559.
 pest control, review 1236.
 pesticide resistance, *Amblyomma* 3609.
 pesticide resistance, *Boophilus microplus* , South Africa 2666.
 resistance, *Boophilus decoloratus* 5382.
 resistance, *Rhipicephalus appendiculatus* 6094.
 toxicity, *Acarus siro* /*Glycyphagus destructor* /*Tyrophagus* 6858.
 toxicity, temperature effects, *Phytoseiulus persimilis* /*Tetranychus urticae* 9283.
 toxicity/chemical control *Psoroptes* 518.
 toxicity/resistance, *Panonychus ulmi* 7562.

Acaridae,
 alarm pheromone 7519.
 development 1802.
 energetics 4759, 4760.
 excretion 4315.
 new species, Belgium/France/Algeria 755.
 new species, Rwanda 2273.
 new species, Spain 5800.
 new species, USA 8962.
 new species/check lists, Belgium 2272.
 pheromones 4454.
 toxicity mycotoxins 1011.

Acaromantis,
 new species, USA 7246.

Acarus,
 taxonomy 8974.

Acarus siro,
 parasitism horses, hypersensitivity 7860.
 toxicity acaricides 6858.

Centropus niveus,
 life cycles/ecology, Neuchatel L., Switzerland 2922.

Cephaete,
 control *Agrotis orthogonia* 564.

Acerentomidae,
 chromosomes 6415.
 immature stages 1580.
 new records, Seychelles 2440.
 new species, China, People's Rep. 5216.
 new species, Gabon 149.
 new species, Poland 3409.
 new species, Sardinia 6696.

Acerentomon,
 chromosomes, relationship habitats 6415.
 revision/new species, Poland 3409.

Aceria,
 new species, USSR 2275.

Aceria tulipae,
 infestations, Lolium, British Isles Wales 9463.

Aceropyga,
 new genus 1502.

Acerotella,
 new species, Nearctic Region 7226.

Acetaldehyde,
 control *Myzus persicae* 538.

Achaea janata,
 brain/corpora allata effects on lipids release 2600.
 parasitism 6975.

Achaearanae,
 new species, Comoro Is. 5816.
 new species, USA 3289.

Achaearanae veruculata,
 abundance/distribution, Australia Queensland 7793.
 dispersion/spatial distribution, *Gossypium hirsutum* crop fields 8689.

Achaetoneura anisotae,
 taxonomy 2376.

Achaetorisa,
 new genus, Morocco 8175.

Acherontia atropos,
 geographical distribution, Spain 8051.

Acherontia styx,
 parasitism 1929.

Acheta domestica,
 alcohol dehydrogenase 9198.
 chemoreceptors/mechanoreceptors 2541.
 cholinergic transmission, muscarinic ligands binding, nerves 1623.
 chromosomes 5733.
 compound eyes basement membranes 8371.
 cuticle lipids 5254.
 cuticle lipids, sex differences 6003.
 cuticle sense organs 8381.
 denervation effects on synapses-inhibition, sense organs 2529.
 direction, role cerci nerves 2540.
 embryos, teratogenesis, acridine impurities 6879.
 feeding/growth/metabolism, temperature effects 6145.
 food preferences, gut adaptations 1661.
 glycogen storage, seasonal variations 1687.
 gut microflora 4663.
 haemolymph osmoregulation, amino acids 6025.
 heart electrical properties/embryology/ultrastructure 946.
 leg regeneration effects on ecdysones levels 8509.
 mating/reproduction 1856.
 muscles preparation, methodology 2459.
 nerves, electrical properties, development/damage 4356.
 nutrition 4391.
 pathogenicity rhabdovirus infection 282.
 phospholipids fatty acids 253.
 reproductive systems, fatty acids 6791.

Acrididae, (continued)

muscles 2510, 3463, 3465, 5255, 8355, 9160, 9161.
 mutation 6424, 6425, 8835.
 nerves 1620, 1625, 2518, 3478, 4359, 5257, 5983, 6757,
 7459, 7461, 9167.
 neurosecretion 2520, 4361, 6835, 7464, 8443.
 new records, Germany, Fed. Rep. Rheinland 4134.
 new species, Brazil 5211.
 new species, Brazil/Guyana 867.
 new species, China, People's Rep. 141, 7400.
 new species, China, People's Rep. Tibet 8289.
 new species, Neotropical Region 1529.
 new species, Thailand 4297.
 new species, USA/Mexico 144.
 new species, USSR 145.
 new subspecies, Morocco 142.
 new taxa, America 143.
 nucleic acids 4030.
 parasitism 2838, 7741.
 pathology 3593.
 pests 883, 1265, 4822, 5692, 7868.
 phylogeny 4975.
 polydroid 9352.
 polymorphism 8493.
 population dynamics/competition, grasslands 2952.
 population genetics 1338.
 populations, energetics, grasslands, alpine environments,
 New Zealand 3848.
 proteins 3667, 6814, 7628, 7638, 7639, 8402, 9156.
 rearing 1544.
 reproduction 4566, 7623, 8552, 8592, 9358.
 reproduction/development 6895.
 reproductive systems 8497, 8499, 8500.
 respiratory systems 230.
 rhythms 4378, 9188.
 secretions 3473.
 sense organs 2548, 3481, 6773, 9183.
 senses 2540, 5265, 5271, 6765.
 sound production 5353.
 spermatozoa 2751.
 spermatozoa, cytochemistry 208.
 starvation 7496.
 synapses 2532, 4353, 5258.
 taxonomy 140, 4296, 4298, 5960, 6691, 7401, 8288.
 toxicity lindane 3599.
 types 4295.
 vectors 1234.
 tellogenesis 1828, 3673.
 wings 3460, 9158, 9159.
 zoogeography 3237.
Acridoidea,
 feeding 4404.
 mouthparts 8326.
Acritochaeta,
 nests, *Sorghum bicolor*, India Andra Pradesh 3095.
Acritus,
 new species, Morocco 6579.
 taxonomy 7285.
Acrobasis,
 biology/pest status 5506.
Acroberotha,
 taxonomy 9105.
Acrocercops,
 taxonomy/new species, Nigeria 117.
Acrodipsas illidgei,
 new records, Australia Queensland 7233.

Acrolepiidae,

new species, USSR 1517.

pheromones 7522.

review/check lists, Iberian Peninsula 691, 1379.

taxonomy 5183, 9091.

Acrolepiopsis,

new species, USSR 1517.

taxonomy 9091.

Acrolepiopsis assectella,

sex pheromone 7522.

Acrolocha pliginskii,

first record, German Dem. Rep. 4995.

Acrolophus,

taxonomy 6680.

Acromyrmex octospinosus,

avoidance behaviour, magnetic fields 7910.

marking pheromones 5349.

Acromyrmex versicolor,

trail following behaviour, interspecific interactions *Atta mexicana* 3886.

Acroneurta xanthenes,

toxicity mines industrial wastes 8767.

Acronica rumicis,

photoperiod effects on diapause, physiology, mechanisms 2746.

Acropsopilio,

new species, Australia 5826.

Acropsopilionidae,

new species, Australia 5826.

Acrosternum hilare,

natural enemies 1906.

pest status, *Glycine max* stored products 4839.

Acrotylus humbertianus,

chromosomes variations 4052.

morphology 1565.

Acrulia inflata,

new records, British Isles 6466.

Acruroperla atra,

taxonomy 4299.

Actaetes,

new species, Papua New Guinea 7303.

Actaletidae,

new species, Papua New Guinea 7303.

Actia,

new species, Nearctic Region 5132.

Actias selene,

spermatogenesis, hormones 8547.

Actiidae,

new species/new subspecies, Greece/coloration 7369.

Aculops,

new species, Egypt. Arab Rep. 7245.

new species, India 7244, 8096.

Aculus,

new species, India 3272, 8096.

Acupalpus consputus,

first record, Ireland 6472.

Acutalis,

taxonomy/life cycles 5924.

Acyphoderes,

new species, Mexico 773.

Acyrtosiphon,

damage/pest status, *Medicago sativa*, New Zealand 3978.

natural enemies/biological control, New Zealand 3972.

new species, British Isles 5144.

phenology/spatial distribution, *Medicago sativa* crop fields 2947.

***Acyrtosiphon kondoi*,**

control programmes 3952.

cultural control 9620.

damage *Medicago* 5569.infection *Entomophthora* 9269.

natural enemies 3892.

pest control/pest resistance *Medicago sativum* 2086.

pest resistance Leguminosae 1955.

pest resistance *Medicago sativa* 548, 3785.***Acyrtosiphon pisum*,**

alarm behaviour 8604.

alarm pheromone response 971.

biotypes/host plants 4628.

clones, enzyme polymorphism 8875.

nucleic acids/proteins concentration, growth/development 600.

nutrient requirements, vitamins, biotypes 5314.

parasitism 5157.

parasitism, *Aphidius* 428.

sterilization, thiotepa 6886.

toxicity fungicides 4515.

transmission bean yellow mosaic virus 4694.

transmission pea streak virus/red clover vein mosaic virus 1967.

Acyrtosiphon solani*,**population growth/dispersal, *Glycine max* 2953.Adalia bipunctata*,**

artificial diets 5429.

development, temperature effects 9337.

egg masses size 7662.

***Adaluma urumelia*,**

immature stages 6729.

Adaptations,see also **Selection**

aquatic environments, Psephenidae larvae 3997.

cold hardiness, physiology, *Pytho americanus* 5338.cold hardiness eggs, seasonal variations, *Psylla mali* 9241.

cold tolerance, high-altitude environments Insecta 7523.

cold tolerance, Insecta 5344.

defence, *Scymnodes lividigaster* 4658.defence mechanisms, predation, *Euphydryas* 9437.deserts, *Arenivaga* 9246.ethanol, ecology, *Drosophila* 2000.ethanol/desiccation tolerance, ecological genetics, *Drosophila* 8862.

gut, food preferences, Orthoptera 1661.

habitat preferences role, *Drosophila* 2927.life cycles, *Dysdercus bimaculatus* 2799.

midgut pH, Lepidoptera larvae, host plants 2563.

nests hygiene, *Apis mellifera* 3994.

predatory behaviour, Lycosidae 5613.

rearing, *Cydia pomonella* 315.resource utilization, *Drosophila* 2958.

Scolytidae, host plants, attractants 1957.

sexual selection, *Drosophila melanogaster* 6920.temperature tolerance, *Drosophila* 5624.***Adela*,**

taxonomy/phylogeny 2421.

***Adelges cooleyi*,**

cold tolerance, diapause 6066.

host selection, polymorphism effects on 7758.

***Adelgidae*,**

behaviour 7758.

ecology 2950.

life cycles 5493.

***Adelidae*,**

new species, Palaearctic Region 2422.

taxonomy/phylogeny 2421.

***Adelopsis*,**

new species, Brazil/Sri Lanka 7271.

***Adicella*,**

new species, Spain 156.

***Adiheterothrips*,**

taxonomy/phylogeny 2444.

***Adlargidea*,**

new genus, Mexico 82.

***Adoretus*,**

new species, Morocco 3321.

***Adoryphorus couloni*,**

behaviour/biology 8599.

***Adoxophyes*,**

mating, sex pheromone/tactile stimuli 2761.

pheromone traps 3990, 6720.

***Adoxophyes fasciata*,**

control, pheromone traps 2092.

***Adoxophyes orana*,**

response attractants/sex pheromone 3700.

toxicity *Bacillus thuringiensis* 6865.

toxicity diflubenzuron 6867.

***Adscita statices*,**

geographical distribution, environmental factors, Netherlands 5775.

Advantages,eye colour mutants, behavioural genetics, *Ceratitis capitata* 5746.***Aedeomyia squamipennis*,**

viruses isolation 9275.

***Aedes*,**

abundance, seasonal variations 8677.

abundance, seasonal variations, Nigeria 9544.

biological control 2978, 3900, 7061, 9579.

carbon dioxide sensitivity, California encephalitis virus

infection effects on 2015.

chemical control 7852.

chemical control/toxicity permethrin 6326.

chromosomes, evolutionary genetics, review 4042.

gonotrophic cycles 5438.

habitat utilization, seasonal variations 8670.

Hydromermis mermitides infection, USSR Kazakhstan 4487.infection *Romanomermis nielsenii* 4496.

isolation fungi 1745.

larvae, age assessment 6723.

larvae, phenology, USSR Middle Volga 411.

larvae, sodium chloride effects on development/survival 1805.

new records, USA New Hampshire 8936.

new records, USA West Virginia 5033.

new species, Japan 1476.

ovary, detection *Wolbachia* 1746.

ovary, proteins biosynthesis 347.

oviposition/hatching, seasonal variations 1827.

Papua New Guinea, Hermit Is./Wuvulu I. 9761.

pharynx, anatomy effects on *Brugia malayi* transmission

1664.

populations, vertical distribution, forests, Czechoslovakia

512.

revision, Oriental Region 3349.

sampling methodology 5597.

snowmelt, breeding sites, ecology 9549.

survival, calcium chloride effects on 9324.

toxicity *Bacillus thuringiensis* 5379.

toxicity chlorpyrifos/temephos 5385.

transmission (transovarial) arbovirus 7866.

Aedes, (continued)

transmission Rift Valley fever virus 3023.
 transmission yellow fever virus, Gambia 2056.
 vectors, dengue viruses 8697.
 vectors arbovirus, Malaysia 515.
 vectors dengue virus, Malaysia 525.
 vectors *Plasmodium*/dengue virus 8719.
 vectors yellow fever virus, Senegal 2012.

Aedes aegypti,
 accessory gland, nucleic acids biosynthesis 2139.
 acid phosphatase activity, ecdysone/chemosterilants effects on 250.
 antennae sensilla 2543.
 antennal chemoreceptors, blood meals effects on 6768.
 aromatic-L-amino-acid decarboxylase characterization 4426.
 bioassays, persistence diflubenzuron/methoprene 177.
 breeding sites/population density/niches, Venezuela Caracas 3901.
 cell culture, media 917.
 cell lines, acetylcholinesterase activity 6789.
 chemical control 2028, 4792.
 chemosterilants 2710.
 chemosterilization/control 3902.
 chitin biosynthesis inhibition, insecticides 922.
 chromosomes, banding 4056.
 competition, *Culex fatigans* 4743.
 control/toxicity seeds mucilage 2870.
 cultural control 8085.
 cuticle receptors, ultrastructure 7469.
 D gene/translocations, effects on sex ratios/fertility 2125.
 development *Onchocerca gutturosa*, infection 3916.
Dirofilaria immitis susceptibility, genes 5728.
 Distorter gene, meiotic drive, effects on fertility/sex ratios 8802.
 drugs effects on biting behaviour, guinea-pigs 2975.
 eggs, tanning 1846.
 esterase, enzyme polymorphism 644.
 feeding, fertilization effects on 3751.
 function saliva 7490.
 genitalia, muscles 6743.
 glycoproteins membrane biosynthesis 4428.
 gonotrophic cycles/mating 6913.
 heritability, feeding efficiency 7927.
 heterogeneity *Wuchereria bancrofti* 2033.
 host searching behaviour, feeding/oogenesis effects on 4376.
 host searching behaviour, regulation 4374.
 insecticides susceptibility 5378.
 juvenile hormones/vitellogenesis regulation 6906.
 larvae, habitat preferences 4758.
 malathion resistance 6862.
 membrane glycoproteins 4417.
 nitrogen metabolism 4420.
 nutrition, lecithins, artificial diets 9213.
 occurrence, Colombia, review 3260.
 oogenesis, ecdysterone role 1840.
 oogenesis, hormones 5432.
 oogenesis, nutrition effects on 4573.
 oviposition deterrents, Lamiaceae plant extracts 8636.
 pathogenicity *Bacillus sphaericus* 8454.
 pathogenicity *Bacillus thuringiensis* 3594, 4494.
 photoreceptors, physiology 8374.
 population dynamics/development, mathematical models 492.
 population studies, Philippines 503.
 predation 5535, 8683.
 predation, *Pimephales promelas* 7922.
 recombination, meiosis segregation/translocations genes 6408.

repellents 4450, 5331, 7512, 9227.
 reproduction, brain hormones 5433.
 reproductive status, enzymes 3661.
 ribosomes, midgut cells 3505.
 RNA biosynthesis, cytosine arabinoside effects on 1329.
 sexual receptivity, ecdysones 4578.
 short-wing mutant, gene mapping 597.
 toxicity aryl isothiocyanates 2667.
 toxicity *Bacillus thuringiensis* 8456.
 toxicity/effects on oviposition, plant extracts 7613.
 toxicity growth regulators/pyrethroids 5384.
 toxicity permethrin, bioassays 2686.
 transmission (transovarial) Murray Valley encephalitis virus 6331.
 trypsin, endocrine system effects on 3501.
 vitellogenesis 4563.
 vitellogenesis, ecdysones regulation 6162.
 vitellogenesis/juvenile hormones activity 6165.

Aedes africanus,

chemical control 7049, 7062.
 population studies, Nigeria 7805.
 yellow fever virus isolation 8713.

Aedes albopictus,

cell lines, vesicular stomatitis virus infection, methionine deprivation 9151.
 chemical control 4783.
 distribution, Hawaii Mauna Loa 4724.
 geographical distribution, Pacific Ocean Islands 4984.
 mating/swarming 355.
 population studies, Philippines 503.
 transmission (transovarial), San Angelo virus 9268.
 transmission (transovarial) Kunjin virus/San Angelo virus 3911.
 transmission (transovarial) San Angelo virus 6321.
 transmission dengue virus 7859.

Aedes atropalpus,

x *Aedes eptaticus*, ecdysones/oogenesis 5439.
 hormones effects on oogenesis, autogeny 7612.
 ovary development, role hormones 1832.
 population genetics 8867.
 vitellogenesis, endocrinology 7631.

Aedes australis,

Coelomomyces opifexi infection 988.

Aedes cantans,

chemical control 7071.

Aedes cantor,

cytoplasmic polyhedrosis virus, characterization 8459.

Aedes cataphylla,

emergence traps 3416.

Aedes detritus,

pathology, *Fusarium oxysporum* 6844.

Aedes dorsalis,

diapause, photoperiod/temperature effects 7626.
 midgut basement membranes, ultrastructure 239.

Aedes eptaticus,

x *Aedes atropalpus*, ecdysones/oogenesis 5439.

Aedes flavipictus,

Coelomomyces ponticulus infection 3573.

Aedes fluviatilis,

biology 8571.

Aedes lineatopennis,

transmission Rift Valley fever virus 4794.

Aedes mercurator,

first record, Canada Quebec 5029.

Aedes nigromaculis,

dispersal 1972.

***Aedes nigromaculis*, (continued)**

pesticide resistance 1770.

Aedes polynesiensis*,**heterogeneity *Wuchereria bancrofti* 2033.transmission *Wuchereria bancrofti*, mathematical models 3926.Aedes pseudoscutellaris*,**

cell lines, virus-like particles 998.

Aedes scutellaris*,**resistance *Brugia*, genes 8882.Aedes sierrensis*,**

control, sterile release 2054.

development, geographical variations/photoperiod effects on 1175.

diapause 3627.

dispersal 527.

eggs, hatching, environmental effects 1795.

population dynamics/control 2040.

red eye mutant, cytogenetics/genetics 1285.

vectors canine heartworm disease 2053.

***Aedes simpsoni*,**

ecology, Nigeria 3840.

Aedes sollicitans*,**vectors, *Dirofilaria immitis* 5644.Aedes stimulans*,**

aggregation behaviour, environmental factors 7112.

***Aedes taeniorhynchus*,**

chemical control 7847.

chemical control/toxicity aryl terpenoid ethers 2669.

infection *Amblyospora polykarya* 6083.

iridescent virus infection 4499.

***Aedes togoi*,**

first record, USA 7222.

ions regulation, anal papillae 3556.

white-eye mutant 5742.

***Aedes triseriatus*,**

enzyme polymorphism, heterozygosity 8877.

feeding, La Crosse virus effects on 1191.

transmission bunyavirus 7857.

vectors La Crosse virus 8958.

***Aedes trivittatus*,**

first record, USA Alabama 3251.

infection *Dirofilaria immitis*, effects on fecundity 7546.pathology, *Coelomomyces* infection 2640.***Aedes vexans*,**

control, review 4778.

fertility, environmental effects 1842.

infection fungi 6222.

orientation, oviposition site selection 7670.

oviposition site selection 4596.

oviposition site selection, environmental factors 7664.

oviposition site selection, soil moisture effects on 1067.

transmission *Dirofilaria immitis* 3003.***Aedoplophora*,**

taxonomy 2281.

***Aegotypus*,**

new species, Malaysia 2325.

***Aelia acuminata*,**

diapause/oviposition, photoperiod 4548.

***Aelia germari*,**

biology 4636.

***Aenictus gracilis*,**

gut, anatomy/histology 947.

***Aeolothripidae*,**

taxonomy 4301.

***Aerochoreutes*,**

phylogeny 4975.

revision 4296.

Aeropedellus clavatus*,**pathogenicity *Nosema locustae* 3593.Aeschnosoma*,**

new species/new records, Brazil 6690.

***Aeshna*,**

compound eyes, development 1629.

predation, biomechanics 6777.

predation *Cubaea inconstans* 2828.***Aeshna cyanea*,**

compound eyes/optic lobes cells development 219.

larvae, pars intercerebralis-corpora cardiaca neurosecretion, ultrastructure 2522.

metamorphosis, juvenile hormones 4542.

midgut ultrastructure 5289.

proprioceptors, abdomen 7477.

***Aeshna mixta*,**

flight muscle ultrastructure 7457.

***Aeshna rufipes*,**

taxonomy 6689.

***Aeshna subarctica*,**

new records, France 8923.

***Aeshna tuberculifera*,**

ocelli nerves 5269.

***Aeshnidae*,**

development 4542.

digestive systems 5289.

eye 219.

larvae 1573.

muscles 7457.

nerves 2538.

neurosecretion 2522.

new records, France 8923.

new records, USA Kentucky 8942.

predation 2828, 3121, 6777.

sense organs 1629, 6776, 7477.

senses 5269, 8380.

taxonomy 6689.

zoogeography 3190, 5021.

***Aesotrinoma*,**

new genus, Brazil 26.

***Aethalopectera*,**

revision 4304.

***Aethes fennicana*,**

life cycles/host plants 7683.

***Aethus indicus*,**

population studies 4737.

***Afghanistan*,**

check lists/new records Sarcophagidae 8913.

geographical distribution/new subspecies *Pyrgus badachschanus* 2430.

new records Sarcophagidae 9742.

new records Siphonaptera 9719.

new species Heptageniidae 6629.

new species Labiduridae 1467.

new species Mutillidae 3378, 5177, 5938.

new species/new records Scarabaeidae 4209.

new species/new records Tingidae 9066.

new species Tenebrionidae 1463.

***Afghanurus*,**

taxonomy 4243.

***Africa*,**see also **Ethiopian Region**check lists *Cryptocephalus* 3315.

- Africa,(continued)**
 check lists *Stiphropus* 8983.
- Africa East,**
 geographical variations wings morphometry, *Spodoptera exempta* 915.
- Africa Sahelian Zone,**
 life cycles, *Onthophagus gazella* 9386.
- Africa West,**
 behaviour/ecology/zoogeography, *Oedaleus senegalensis* 5692.
- biology/ecology, *Catantops haemorrhoidalis* 2916.
- Afroperlodes,**
 taxonomy 3408.
- Afrophthulma,**
 new genus 8130.
- Afropisaura valida,**
 life cycles/population growth 6196.
- Afroplocia,**
 taxonomy 7325.
- Afzeliada,**
 new species, Ethiopian Region 5149.
- Agabus,**
 larvae 197.
 larvae, mouthparts, functional morphology 1665.
- Agabus bipustulatus,**
 aestivation 4640.
 mouthparts, sensilla 4367.
- Agallia,**
 new species, Chile 2391.
- Agaonidae,**
 new species, Ethiopian Region/Oriental Region 6651.
 pollination 3776.
- Agapanthia villosoviridescens,**
 first record, Finland 8907.
- Agapetus,**
 new species, Morocco 3411, 6704.
- Agapostemon,**
 parasitism 4672.
- Agapostemon nasutus,**
 commensalism *Parapygmephorus costaricanus* 4161.
- Agaristidae,**
 biology 4614.
 host plants 6990.
 populations 5625, 8666.
 pupae 7444.
 reproduction 8533.
- Agasta,**
 check lists. India 2314.
- Agathis,**
 parasitism *Epinotia aporema*, *Glycine max* crop fields, Brazil 432.
- Agathomyia,**
 new species, Israel 2366.
 new species, USSR 2365, 5889.
- Age,**
 age effects, feeding, *Simulium damnosum* 1920.
 age effects feeding rates/volume, *Simulium damnosum* 1921.
 ageing, developmental genetics, *Drosophila melanogaster*, review 7165.
 ageing, effects on fecundity, evolutionary genetics, *Drosophila melanogaster* 2196.
 ageing, fat body lipids, *Antheraea mylitta* 3516.
 ageing, genetic load, models, *Drosophila melanogaster* 6442.
 ageing, lipases activity, *Zaprionus paravittiger* 3612.
 ageing effects on food intake/metabolism, *Drosophila melanogaster* 1782.
 ageing fluorescence, linoleic acid, *Musca domestica* 5388.
 ageing methods, *Simulium damnosum* 1553.
 amyloid agglomeration, *Apis mellifera* queens 9297.
 body composition, *Phormia terraenovae* 9294.
 determination, *Locusta migratoria* 2468.
 effects on alarm pheromone response, *Apis mellifera* 2602.
 effects on circadian rhythms, *Leucophaea maderae* 939.
 effects on fat body, *Habrobracon juglandis* 4406.
 effects on feeding, *Dermacentor reticulatus* 7724.
 effects on food consumption/assimilation, *Phlaeoba infumata* 1783.
 effects on learning habitat preferences, *Camponotus vagus* / *Formica polycitena* 2772.
 effects on metabolism, fat body, *Blaberus discoidalis* 8398.
 effects on selection wings length, *Drosophila melanogaster* 649.
 effects on sex pheromone response, *Mamestra suasa* 1064.
 effects on sex pheromone response, *Sitotroga cerealella* 6054.
 hosts, effects on *Trichogramma* parasitism, *Corcyra cephalonica* 5547.
 protein biosynthesis, microsomes, *Drosophila melanogaster* 9295.
 radiosensitivity, *Drosophila melanogaster* 9296.
 relationship fecundity, *Culex salinarius* 7641.
 relationship oogenesis duration, *Drosophila melanogaster* 1829.
 relationship spiracles morphology, *Tessaratoma javanica* 1649.
- Agelastica coerulea,**
 food chains-*Nephila clavata*, trace metals, soil 7013.
- Agelenidae,**
 check lists/ecology, USSR Badkhyz 20.
 reproduction 6914.
 taxonomy/zoogeography 5064.
 zoogeography 665.
- Ageneotettix deorum,**
 population dynamics/competition, grasslands 2952.
- Agéniaspis fuscicollis,**
 parasitism *Yponomeuta malinellus*, hosts starvation effects on 7732.
- Aglaia urticae,**
 development/survival, environmental factors 8518.
 morphology, temperature effects 1588.
- Aglia tau,**
 geographical distribution, Iran/Turkey 8042.
 new subspecies, Spain 2420.
 rearing 1104.
- Agnesiella,**
 new species, India 8238.
- Agonum retractum,**
 population dynamics/role nutrient cycles 3821.
- Agriidae,**
 records, USA Kentucky 8942.
- Agrilus,**
 new species, Palaearctic Region/Oriental Region 5838.
- Agrilus bilineatus,**
 biology/natural enemies 3718.
- Agrilus suvorovi,**
 first record, Sweden 672.
- Agriopsis marginaria,**
 melanism 9709.
- Agriotypidae,**
 parasitism 429.
- Agriotypus armatus,**
 geographical distribution, Germany, Fed. Rep. 429.
 parasitism *Silo pallipes* 6229.

- Agrochola dujardini***, first record, Italy 1383.
- Agrochola macilentia***, attractants, acetates 976.
- Agrodiaetus***, interspecific hybridization 7160.
- Agrodiaetus dolus***, new records, Italy Alps West 694.
- Agrodiaetus humedasae***, chromosomes 6414.
- Agrodiaetus myrrhus***, taxonomy 8266.
- Agromyza frontella***, life cycles 5487.
- pest status, *Medicago sativa* 5666.
- sampling 885.
- sampling, methodology 5237.
- Agromyzidae**, chemical control 3051, 3973.
- genitalia/parasitism 94.
- host plants 666.
- life cycles 5487.
- natural enemies 7894.
- new species, Nearctic Region 9033.
- new species, Palaearctic Region/Nearctic Region 2352.
- new species/new records, Hungary 1470.
- parasitism 3765.
- pest resistance *Glycine max* / *Vigna radiata* 1140.
- pest resistance *Phaseolus vulgaris* 457.
- pests 3073, 3096, 5666.
- populations 7817.
- sampling 885, 5237.
- traps 4439.
- Agrosteomela***, check lists, India 2314.
- Agrostocynips***, new genus, Argentina 94.
- Agrostocynips clavatus***, parasitism *Liriomyza huidobrensis*, new records hosts, Argentina 3765.
- Agrotis fucosa***, pheromone traps 3549.
- Agrotis ipsilon***, development/reproduction, environmental factors 4546.
- integrated control 3077.
- toxicity, *Bacillus thuringiensis* exotoxins 301.
- toxicity xanthenes dyes 2659.
- Agrotis orthogonia***, chemical control 564.
- Agrotis segetum***, biological control 7875.
- monitoring, pheromone traps 5984.
- Aha evansi***, taxonomy 3379.
- Aiceona retipennis***, chromosomes 8820.
- Akis***, taxonomy 4218.
- Alabama argillacea***, pest status, *Gossypium hirsutum* 4830.
- phenology, USA Texas 3725.
- Alabameubria***, new genus, USA 5862.
- Alabidopus***, new species, Thailand 1423.
- Alagoasa bicolor***, size/association host plants, isolation 3831.
- Alapona***, new genus, Peru 4253.
- Alaskozetes antarcticus***, cold hardiness, physiology 4467.
- cold tolerance, overwintering survival 2121.
- metabolic rate 251.
- respiration metabolism, cold acclimation 3559.
- supercooling 2615.
- Alaus patricius***, new records, USA Florida 8932.
- Albania**, check lists/new records Buprestidae 9726.
- check lists/new records Calliphoridae/Rhinophoridae/Sarcophagidae 9729.
- check lists/new records Ephemeroptera 9730.
- check lists/new subspecies Staphylinidae 9025.
- Alcohol**, n-butanol, effects on moulting, *Megoura viciae* 1045.
- effects on longevity, *Drosophila* 8527.
- ethanol effects on development/longevity, *Drosophila* 332.
- ethanol utilization, *Drosophila* 9525.
- 4-heptanol, mandibular glands secretions, *Zacryptocerus varians* 273.
- mortality, nutrition, *Drosophila melanogaster* 9204.
- resistance, sexual dimorphism, Hymenoptera parasites *Drosophila* 9457.
- Alcohols**, aliphatic alcohols metabolism, *Drosophila* 1672.
- effects on alcohol dehydrogenase activity, *Drosophila* 248.
- ethanol, adaptations, *Drosophila* 2000.
- ethanol biosynthesis, anaerobiosis, *Chironomus thummi* larvae 3527.
- ethanol tolerance, selection, *Drosophila melanogaster* 2193.
- glycerol, effects on proteins/esterases, haemolymph, *Galleria mellonella* 1674.
- glycerol levels, fat body, development, *Perillus bioculatus* 2579.
- methanol effects on longevity/oviposition, *Drosophila pachea* 1044.
- Aldabra Atoll**, check lists/new species Cicadellidae 4254.
- Aldicarb**, chemical control *Amrasca devastans* / *Aphis gossypii* 9606.
- control Aphididae 3041.
- control *Phyllocoptruta oleivora* / pollution effects Phytoseiidae 3046.
- Aldrichina grahami***, fat body mitochondria, arginine transport 6792.
- Aldrin**, toxicity/effects on respiration, *Atta laevigata* 1017.
- Alenophalera bronneomixta***, biology 4652.
- Aleochara bilineata***, parasitism *Delia brassicae* pupae 2945.
- Aleuonota gracilentia***, first record, German Dem. Rep. Thuringia 1364, 2215.
- Aleurocanthus woglumi***, biological control 4806, 8773.
- biological control, economics 7080.
- biological control, Platygasteridae Aphelinidae 3030.
- biological control, review 3947.
- biological control, USA Florida 1223.
- development/survival, host plants effects on 7755.
- dispersal 1157.
- host plants 9494.
- natural enemies/pest status 6310.

***Aleurocanthus woglumi*, (continued)**

pest status, remote sensing 5657.

pest status, USA Florida, review 4808.

spatial distribution 6311.

Aleurocybotus indicus*,**pest status, *Oryza sativa* 6377.Aleurodicus dispersus*,**

oviposition/survival, host plants effects on 2877.

***Aleuroglyphus ovatus*,**

alarm pheromone 3703.

***Aleuropteryx juniperi*,**

first record, Tunisia 7210.

***Aleuropteryx simillima*,**

first record, USA 1407.

***Aleurothrix floccosus*,**

natural enemies/pest status 6310.

***Alexius*,**

new genus 6634.

***Aleyrodes brassicae*,**

development/reproduction, host plants/environmental factors 5419.

feeding strategy/population growth 3827.

population dynamics, host plants/temperature effects on 2936.

Aleyrodidae,

behaviour 5460.

biological control 1223, 3947, 4806, 5660, 5694, 7080, 8773, 9618.

book 750.

chemical control 3037, 3982, 8733, 9593.

dispersal 1157.

host plants 1963, 2877, 7755, 9494.

life cycles 6206.

natural enemies 2817.

natural enemies/pests 6310.

new species, Pakistan 8224.

parasitism 5548, 8612.

pest resistance *Lycopersicon* 9486.

pests 4808, 5657, 6377.

population dynamics 2936.

population growth 3827.

populations 2073, 4763, 5419, 5635, 6311.

taxonomy. Margarodidae, taxonomy 1495.

toxicity fenvalerate 3104.

USA 3030.

Aleyrodoidea,

host specificity/host selection 2902.

Algae,*Gonyaulax* , toxins, toxicity *Blattella germanica* 3601.*Aspilota geitleri* , nutritive value, diets, *Spodoptera littoralis**/Heliothis armigera* 5976.**Algeria,**

check lists Odonata 1394.

new species Acaridae 755.

new species Cantharidae 1441.

new species/check lists Megaspilidae 2407.

new species Encyrtidae 5165.

new species Nitidulidae 9015.

new species Parasitidae 1425.

new species Scarabaeidae 3329, 8863.

new subspecies *Berberia abdelkader* 8277.***Lichtensia orientalis*,**

biology/natural enemies, Argentina 1093.

Likalooids,glycoalkaloids, role *Solanum chacoense* pest resistance*Leptinotarsa decemlineata* 2875.**Alkylureas + nitrogen dioxide,**mutagenesis *Drosophila melanogaster* 6429.***Allandrus*,**

new species, Japan 2301.

***Allantus*,**

taxonomy 6670.

***Allectus*,**

taxonomy 3367.

Alleculidae,

new species, USSR 2299.

Allergy,

allergens preparation/characterization, conference 727.

***Allocapnia*,**

new species, USA 9106.

taxonomy 9107.

***Allodia*,**

new species, Germany, Fed. Rep. 9051.

***Allodiplosis crassus*,**

taxonomy 8178.

***Allogamus*,**

new species, Sardinia 869.

***Allohermes*,**

taxonomy 8287.

***Allomengea vidua*,**

new records, Belgium West Flanders 5765.

***Allomengea warburtoni*,**

phenology 2781.

***Alloperla*,**

new species, USA 5213.

***Alloscirtetica*,**

new species, Neotropical Region 825.

***Allotrichoma*,**

new species, Italy 3351.

***Allotryxalis strigata*,**

parasitism 2838.

***Alloxysta*,**

taxonomy 2402.

***Alloxystinae*,**

taxonomy 2402.

***Alluaudomyia*,**

new records/new species, India 8180.

***Alluaudomyia tiberghieni*,**

immature stages 7240.

***Allygus*,**

morphology/ecology/voltinism, Hungary 3739.

***Aloconota subgrandis*,**

first record, British Isles 7299.

***Alogus monachicus*,**

taxonomy/zoogeography 5845.

***Alompra*,**

taxonomy 6675.

***Allophora lepidosera*,**

immature stages/life cycles 6731.

***Alphitobius diaperinus*,**

biology/pest status 7863.

chromosomes 9681.

parasitism *Rattus norvegicus* 7750.***Alphitobius viator*,**

pest status/morphology, stored products 3027.

***Alpinia*,**

new species, Italy 792.

***Alsophila pometaria*,**

adaptations, host plants phenology 5523.

***Altica*,**

biology/host plants/zoogeography, Israel 9375.

***Altica nancyae*,**

first record, USA North Dakota 8066.

- Alticinae**,
new records, Yemen, People's Dem. Rep. 3208.
phylogeny, leg morphology 652.
- Altozar**,
effects on fecundity/emergence, *Musca domestica* 1801.
- Alydidae**,
behaviour 9424.
host plants 458.
morphology 201.
new records, USA 4144.
rearing 7409.
sound production 7539.
- Alydinae**,
host plants/aggregation behaviour 458.
- Alydus**,
aggregation behaviour 458.
flight, altitude/seasonal variations 9424.
stridulatory apparatus 7539.
- Alysiasta**,
new genus 6657.
- Amapamiris**,
new genus, Brazil 4245.
- Amara**,
insecticides toxicity 2682.
larvae, morphology/development 1577.
taxonomy/larvae/development 8997.
- Amara familiaris**,
sound production 4482.
- Amara proxima**,
first record, Switzerland 5000.
- Amathes c-nigrum**,
pest status, *Vitis labrusca* 9471.
population dynamics 4753.
rearing, artificial diets 171.
- Amatidae**,
check lists, French Guiana/Brazil 1414.
- Amaurobiidae**,
check lists/ecology, USSR Badkhyz 20.
- Amaurobius**,
taxonomy 2288.
- Amblycerinae**,
larvae 4334.
- Amblycerus**,
biology/larvae 4331.
- Amblycerus caryoboriformis**,
biology/morphology 5510.
- Amblychila cylindriciformis**,
traps 7427.
- Amblyomma**,
hosts/geographical distribution, USA Connecticut 3773.
olfaction, carbon dioxide 5278.
pesticide resistance 3609.
- Amblyomma americanum**,
chemical control 3008, 6317.
feeding damage, guinea pigs 2009.
histopathology feeding sites, guinea pig 2008.
mass rearing 5980.
oviposition/hatching, environmental effects 2734.
parasitism birds/mammals 9461.
pest resistance cattle 2848.
weight relationship fecundity 3666.
- Amblyomma gemma**,
transmission *Theileria mutans* 7855.
- Amblyomma hebraeum**,
ATPase (Na + K activated) characterization 2591.
salivary gland degeneration, hormones 8437.
spermatozoa, ultrastructure 2748.
vector-borne diseases, Zimbabwe 3022.
water balance 1712.
- Amblyomma maculatum**,
first record, USA New York 9744.
parasitism rabbits 2852.
water balance/ions regulation, feeding 4470.
- Amblyomma testudinarium**,
parasitism man 4776.
- Amblyomma tholloni**,
life cycles 9405.
transmission *Cowdria ruminantium* 4799.
- Amblyomma variegatum**,
blood-brain barrier 5261.
infection viruses 4772.
life cycles, environmental factors 5484.
oviposition/emergence, environmental factors 9336.
- Theileria mutans** life cycles 2024.
- Amblypygi**,
check lists, Seychelles 5759.
giant axons 2524.
taxonomy 8961.
- Amblyseius**,
new records, Pacific Ocean Islands 6460.
new species, Australia 10.
new species, Israel 4158.
taxonomy/new species, Australia 11.
- Amblyseius andersoni**,
humidity effects on 5473.
- Amblyseius brazilli**,
diflubenzuron/methoprene effects on 7599.
- Amblyseius fallacis**,
integrated control *Panonychus ulmi*, orchards, New Zealand 1247.
locomotor activity, environmental effects 1611.
- Amblyseius rubini**,
population dynamics 7777.
- Amblysphagus**,
new species, Sri Lanka 1463.
- Ameletus**,
toxicity mines industrial wastes 8767.
- America**,
first record Apotomini 8121.
keys Phytobiini 8134.
new records, introduced species, Calliphoridae 9758.
new records Tenebrionidae 8166.
new taxa Acrididae 143.
phylogeny Iassinae 7992.
- America North**,
new records Fieberocapsus flaveolus 813.
- Ameroseiidae**,
new species, Malaysia 8092.
- Ametrodiplosis thalictricola**,
spermatozoa 6120.
- Amides**,
toxicity/chemical control *Psoroptes* 518.
- Amines**,
toxicity/chemical control *Psoroptes* 518.
- Amino acids**,
alcohol dehydrogenase amino acid sequence, *Drosophila melanogaster* 955.
 γ -aminobutyric acid, development/injuries, *Galleria mellonella* 4567.
 γ -aminobutyric acid/glutamic acid, development, *Manduca sexta* 4556.
arginine, transport, fat body mitochondria, *Aldrichina grahami* 6792.

Amino acids,(continued)

- body composition, ageing, *Phormia terraenovae* 9294.
 -canavanine, effects on haemolymph, *Manduca sexta* 4386.
 -canavanine effects on growth, *Manduca sexta* 1811.
Curculio caryae / *Diatraea grandiosella* / *Lygus lineolaris* 6790.
 effects on growth, *Tenebrio molitor* 1663.
 embryogenesis, *Chilomenes sexmaculata* 3624.
 cythrocruorin, amino acid sequence, *Chironomus thummi* 8414.
 flight metabolism, *Leptinotarsa decemlineata* 3459.
 flight muscle, flight, *Locusta migratoria* 965.
 -glutamate, neuromuscular junctions, *Tenebrio molitor* 4360.
 glutamate receptors, electrical properties, Acrididae 9160.
 glutamic acid, ions channels, muscles, Acrididae 2510.
 gut, Pyralidae larvae 2569.
 haemolymph, diapause, *Heliothis armigera* 6037.
 haemolymph, *Lepisma saccharina* 9219.
 haemolymph, nuclear polyhedrosis virus effects on, *Spodoptera littoralis* 2580.
 haemolymph osmoregulation, *Acheta domestica* 6025.
 hydroxyproline effects on development, *Drosophila* 3650.
 levels, development/metamorphosis, *Coccinella septempunctata* 252.
 sine effects on development *Tribolium confusum* 1548.
 metabolism, *Callosobruchus maculatus* 2588.
 nerves, Araneae 4358.
 neurotransmitters, *Androctonus australis* 3474.
 nutrient requirements, *Bombyx mori* larvae 3517.
 nutrition, Hymenoptera parasites 9206.
Orthetrum sabina 6802.
 penetration cuticle, *Cydia pomonella* 2507.
 -phenylalanine active transport, midgut, *Bombyx mori* 8391.
 proline biosynthesis, fat body, *Leptinotarsa decemlineata* 6812.
 proline metabolism, *Culiseta inornata* / *Diptera punctata* / *Drosophila hydei* / *Schistocerca gregaria* 249.
 proline/valine, phagostimulants, Acrididae 6218.
Scoroptes 3521.
 stereospecificity sugar receptors, labella, *Boettcherisca peregrina* 9182.
 transport, midgut, *Bombyx mori* 1654.
 transport, midgut basal-lateral membranes, *Hyalophora cecropia* 7488.
 cytophan, metabolism, *Carausius morosus* 4422.
 cytophan metabolism, development *Carausius morosus* 1851.
 cytophan metabolism, *Pieris brassicae* 4423.
Minocarb,
 effects on pollination/populations, Hymenoptera 1231.
Miota,
 invasion, Europe 2361.
Miota subtusradlata,
 taxonomy 2361.
Mischka decipiens,
 first record, German Dem. Rep. Thuringia 1364, 2215.
Nitermes evuncifer,
 foraging behaviour/social behaviour 1271.
 repellents, Insecta + extracts 264.
Nitraz,
 resistance, control *Psylla pyricola* 565.
Nitius hesperidum,
 biological control 3030.
 biological control *Aleurocanthus woglumi*, Platygasteridae Aphelinidae 3030.
Ammonoconia caecimacula,
 attractants, acetates 976.
Ammotrechidae,
 first record, Uruguay 3258.
 taxonomy 34.
Ammotrechula penninsulana,
 burrowing behaviour/foraging behaviour 4645.
Annestus,
 taxonomy 8214.
Amorphocephala,
 taxonomy 2302.
Amphicercidus,
 chromosomes 8820.
Amphicoma defuncta,
 taxonomy 8151.
Amphigerontia minutissima,
 taxonomy 2441.
Amphinemura,
 life cycles 9389.
Amphipoea interoceana,
 biology/pest status, *Fragaria*, Canada Manitoba 1077.
Amphitornus,
 new genus, Mexico 144.
Amphizo,
 taxonomy 4183.
Amphizoidae,
 taxonomy 4183.
Ampulex,
 new species, Sri Lanka 3373.
Ampulicidae,
 revision/new species, Sri Lanka 3373.
Amrasca,
 new species, Pakistan 7345.
 new species, Uganda 5922.
Amrasca biguttula,
 chemical control 2080.
 chemical control/toxicity fenvalerate 3104.
Amrasca devastans,
 chemical control 566, 9606.
 cultural control 3065.
 distribution, *Gossypium* effects on 1977.
 sound production, communication disruption 1871.
Amritodus,
 taxonomy 8236.
Amsacta albistriga,
 biological control 4829.
Amsacta moloneyi,
 voltinism/population dynamics, Senegal 2813.
Amyeloides transtilla,
 attractants, *Prunus amygdalus* nuts 4441.
 sex pheromone, reproductive behaviour 2763.
Amymoma,
 taxonomy 1026.
Amystax fasciatus,
 chromosomes 609.
Anacanthotermes angherianus,
 nests, fungi soil microorganisms 1272.
Anacanthotermes ochraceus,
 chemical control 1220.
 foraging behaviour, seasonal variations, Egypt, Arab Rep. 1082.
 geographical distribution/biology, Egypt, Arab Rep. 3217.
 nest building 2107.
 pest status, vegetables, Egypt, Arab Rep. Giza 2100.
 pest status/biology/ecology, Egypt, Arab Rep. 2087.
 pest status/ecology, Yemen, People's Rep. 2228.

- Anacassis*,
new species, Brazil 778.
- Anaceratagallia*,
new records, Azores 7238.
- Anaciaeschna isoteles*,
geographical distribution, German Dem. Rep. Mecklenburg 5021.
- Anacroneuria schmidtii*,
taxonomy 3408.
- Anadenosternum*,
new genus 5808.
- Anagyrus pseudococci*,
life cycles 3729.
- Anaitis lythoxylata*,
first record, Italy 6513.
- Anamartus*,
new species, Jordan 1458.
- Ananthakrishnana*,
taxonomy 4302.
- Anapausis*,
new species, France 2368.
- Anaphes flavipes*,
biological control *Oulema melanopus* 5704.
- Anarete pritchardi*,
mating/swarming behaviour 7658.
orientation/swarming behaviour 7669.
swarming behaviour, methodology 8320.
- Anarsia ephippias*,
pest status, *Cajanus cajan*, India Uttar Pradesh 3096.
- Anarsia lineatella*,
life cycles 6207.
- Anarta zetterstedti*,
thermoregulatory behaviour 4620.
- Anartia*,
biology/life cycles/taxonomy 2435.
- Anartia fatima*,
defence coloration 2820.
- Anasimyia*,
check lists/new records, Ireland 8003.
revision, Europe 2370.
- Anastrepha*,
ecological genetics, proteins polymorphism 9700.
glands, sex differences 7534.
- Anastrepha obliqua*,
artificial diets 7503.
- Anastrepha suspensa*,
flight activity, radiation (γ)/rearing effects on 9392.
flight muscles anatomy 214.
parasitism 6974.
toxicity isothiocyanates 1004.
- Anathrix*,
new species, Thailand 99.
- Anatomy**,
Araneae 6001.
brain, *Blaberus craniifer* 2527.
development, *Dolania americana* 7449.
flight muscles *Anastrepha suspensa* 214.
Gonioctena americana 7450.
gut, *Aenictus gracilis* 947.
integument, *Glaucoipsyche lygdamus* 2506.
Riazocoris nigra 1563.
Romalea microptera, book 9762.
seasonal variations, *Polistes gallicus* 204.
Solenopsis invicta larvae 1591.
water loss, Tenebrionidae 9245.
- Anatonochilus*,
taxonomy 9019.
- Anax imperator*,
chordotonal organs, leg 6776.
flight muscle ultrastructure 7457.
midgut ultrastructure 5289.
proprioceptors, abdomen 7477.
- Anax junius*,
balance/orientation, nerves 8380.
larvae, predator-prey interactions, *Hyla gratiosa* 3121.
ocelli nerves 5269.
- Anax parthenope*,
neurons, electrical properties, respiratory systems 2538.
- Ancistrocerus scoticus*,
nectar robbing behaviour 1143.
- Ancistrocerus tuberculocephalus*,
nesting behaviour 3743.
- Ancistrotermes*,
gut anatomy 2567.
- Ancylis discigerana*,
biology/parasitism 9380.
- Andaman Is.**,
chemical control *Boophilus microplus* 2030.
- Andaspis*,
taxonomy/association *Septobasidium* 821.
- Andrallus spinidens*,
life cycles/predation 378.
- Andrena*,
fauna, Tunisia/USA Colorado 3186.
parasitism 4664.
taxonomy 6652.
- Andrena dunningi*,
biology 7708.
- Andrenidae**,
behaviour/pollination 8637.
biology 6204, 7708.
mating 3695.
new records, Europe 1375.
parasitism 4664.
taxonomy 6652.
zoogeography 3186.
- Andricus*,
new species, Europe 2401.
taxonomy 4264.
- Androctonus australis*,
circadian rhythms, activity 229.
haemocyanin 3541.
neurotransmitters, amino acids 3474.
thermoregulation 1715.
- Anemalloia tunesiella*,
first record, Iberian Peninsula 1380.
- Aneuretus simoni*,
sternal gland pheromones, recruitment 6075.
- Angelovia*,
new genus, Bulgaria 5161.
- Angiopolybia pallens*,
predation *Leptodactylus pentadactylus* 8679.
- Angola**,
new species Cerylonidae 3311.
new species Cicindelidae 5092.
- Angulitermes*,
new species, Saudi Arabia 2417.
- Anisobas*,
taxonomy 9081.
- Anisocentropus*,
new species, Australia 155.
- Antisochrysa*,
population dynamics/spatial distribution, *Olea* plantations, Crete 7828.

Anisochrysa, (continued)

taxonomy 4293.

Anisochrysa carnea,

chemical control 8752.

Anisodactylus,

taxonomy/new records, Italy 1442.

Anisodactylus pueli,

new subspecies, Italy 1442.

Anisoplia,

new species, Morocco 3321.

Anisopodidae,

phylogeny 4099.

Anisops,

new species, Philippines 7327.

new species, South Africa 1494.

Anisopteromalus,

new species, Germany, Fed. Rep. 6650.

Anisotoma,

new species/ecology, Panama 9013.

Anobiidae,

behaviour 7660.

control 9598.

mating 1065.

new records, Canada Quebec 2244.

pheromones 8432.

populations 5568.

repellents 3551.

toxicity fumigants 9290.

Anochetus,

new species, Dominican Rep., fossils 828.

Anodontura tricolor,

mate selection/reproductive isolation 5455.

Anoetidae,

ecology 5626.

life cycles 5499.

new species, Australia/Fiji 6544.

new species, Switzerland 6542.

new species/first record, Israel 6543.

Anoetus gibsoni,

community structure 5626.

Anokopsis,

new genus, Brazil 8982.

Anomalahalacarus,

new species, USA 2276.

Anomalicornia tenuicornis,

first record, India 711.

Anomalohimalaya,

new species, China, People's Rep. 7248.

Anomis flava,host status, *Abelmoschus moschatus*, India 2071.**Anomis sabulifera,**

insecticides toxicity 2672.

Anomoneura mori,

secretions, waxes 2627.

Anopheles,

abundance, seasonal variations 8677.

biological control 3900.

chemical control 7852, 9560.

chemical control/toxicity aryl terpenoid ethers 2669.

chromosomes 3148.

community composition/population levels, Tanzania 7840.

enzyme polymorphism, population genetics 7171.

feeding, review 3913.

flight velocity 6943.

gonotrophic cycles/population studies 9346.

insecticides susceptibility 5378.

interspecific hybridization, mate selection 4080.

isolation fungi 1745.

larvae, age assessment 6723.

pesticide resistance, Iraq 6868.

pesticide resistance, Thailand 1769.

pesticide resistance carbamates/pesticides

(organophosphorus) 306.

pharynx, anatomy effects on *Brugia malayi* transmission 1664.

polytene chromosomes inversions 2152.

population studies 8684.

repellents 4450.

role epidemiology malaria, USSR Feodosiya 3919.

salivary gland proteins 2622.

seasonal variations biting behaviour/malaria transmission,

Papua New Guinea 2976.

swarming 6923.

taxonomy 1476, 2356.

taxonomy/morphology 2358.

taxonomy/reproductive isolation 5882.

transmission *Plasmodium* 6332.transmission *Plasmodium*, monkeys 7853.

types, America, review 2357.

vectors, *Plasmodium vivax* infection 520.vectors, *Wuchereria bancrofti* 9554.vectors *Plasmodium*, Saudi Arabia 4793.**Anopheles aconitus,**

chromosomes 3150.

Anopheles albanus,

artificial colonization 4834.

chemical control/resistance 5643.

chromosomes, inversions 8818.

chromosomes inversions, radiation (X) 7965.

esterase gene mapping 9668.

genes, hexokinase/phosphoglucosyltransferase 8800.

genetic control 8707.

mass rearing 1542.

mass rearing, methodology 1550, 1910.

mass rearing males 2039.

oviposition site selection/population dynamics, salinity effects 9329.

population density assessment, methodology 1562.

population levels, El Salvador 7825.

purines/ribonucleosides metabolism 3544.

resistance insecticides 8485.

sterile-release, reproductive success 9339.

sterile-release methodology 3426.

toxicity *Bacillus thuringiensis* 6870.**Anopheles arabiensis,**

taxonomy, cuticle components 73.

Anopheles atroparvus,

chemosterilants 2710.

flight activity, DDT effects on 371.

geographical distribution/abundance, Yugoslavia 3213.

Anopheles balabacensis,

chemical control 7054.

Anopheles beklemishevi,

first record, Finland 2358.

Anopheles coustani,

transmission Rift Valley fever virus 4794.

Anopheles crucians,

Hydrachnellae parasitism 9450.

Anopheles culicifacies,

gonotrophic cycles 7635.

hybrids, sterility 9698.

insecticides susceptibility 5377.

Anopheles culicifacies, (continued)

mating behaviour/competitiveness, chromosome aberrations effects on 8513.
 pesticide resistance DDT, selection 307.
 phosphoglucosylase enzyme polymorphism 7170.
 polytene chromosomes, mapping 608.
 population dynamics 1203.
 resistance, fenitrothion 8472.
 translocations, dieldrin resistance, male sterility, pest control 9680.

Vs gene eye mutants 8845.

Anopheles darlingi,

bionomics/biting behaviour/population structure, Brazil 5509.
 biting behaviour/population dynamics, Brazil 2048.

Anopheles dirus,

chromosomes 7144, 8829.

Anopheles farauti,

Papua New Guinea, Hermit Is./Wuvulu I. 9761.

vectors *Plasmodium*, Australia 4770.

vectors *Plasmodium*/dengue virus 8719.

Anopheles freeborni,

digestion, ecdysones effects on 6030.
 infection *Plasmodium falciparum* 4787.
 pest status/biological control 3002.

Anopheles funestus,

population studies, Kenya 2010.

Anopheles gambiae,

cell culture, media 917.
 feeding, methodology 5239.
 population studies, Kenya 2010.
 taxonomy, cuticle components 73.

Anopheles maculipennis,

chemical control 2987.
 chromosomes, phylogeny 4976.
 malathion/DDT, toxicity/deterrents 1758.
 pesticide resistance, Iran 7573.
 population density, USSR Solnechnogorsk 4714.

Anopheles melas,

flight velocity 2785.

Anopheles pharoensis,

sterilization, radiation (X) 6157.

Anopheles pseudopunctipennis,

rearing 1865.
 vectors malaria 2973.

Anopheles quadrimaculatus,

toxicity permethrin, bioassays 2686.
 toxicity pyrethroids 528.

Anopheles sinensis,

populations, spatial distribution, paddy fields, Japan 2962.

Anopheles stephensi,

biological control 4816.
 chemical control 7867.
 chemosterilants 7060.
 chromosome aberrations, geographical distribution, India 9710.

chromosomes, banding 7947.

chromosomes, pairing 4897.

cuticle receptors, ultrastructure 7469.

diamond palpus mutant, genes 8843.

eye colour mutants 3152.

larvae, mutants 9688.

malathion resistance, Pakistan 6863.

pathogenicity, *Bacillus sphaericus* 8454.

pesticide resistance, selection 1760.

population dynamics 1203.

satellite DNA 7945.

toxicity *Bacillus sphaericus* spores 4512.

toxicity *Bacillus thuringiensis* 7563.

transmission *Plasmodium yoelii*, aminobenzoic acid effects on 1195.

Anopheles subpictus,

rearing 9416.

survival/population levels, capture-recapture studies 480.

Anopheles sudaicus,

chemical control 4782.

Anophthalmus schmidtii,

traps 9127.

Anoplophora malasiaca,

rearing 9126.

Anoplosiagum,

new species, Cuba 3326.

Anoplura,

check lists, New Zealand 8900.

parasitism 7751, 8725.

Anormensis septentrionalis,

feeding communities 6291.

Anstulus,

new species, Korea, Dem. People's Rep. 1536.

Antaeotricha,

taxonomy 6671.

Antarctopria,

new records, New Zealand 1508.

Anterhaea pernyi,

cholinesterase activity, insecticides metabolism 9218.

Anteromorpha,

new species, India 7365.

Antestiella,

new species, Ethiopian Region 5139.

Anthaxia,

new species, Greece 6566.

revision, Palaearctic Region 1440.

taxonomy 8116, 8995.

Anthaxia morto,

first record, Hungary 2217.

Antheraea,

eggs 5996.

Antheraea assamensis,

ovary infection *Nosema* 5368.

Antheraea mylitta,

ageing, fat body lipids 3516.

fat body, biochemistry 6820.

larvae, development, biochemistry 8486.

Antheraea pernyi,

x *Antheraea roylei*, hybrids, chromosomes 1311.

haematopoiesis, haemocytes regulation, hormones 1690.

parasitism 1908.

Antheraea polyphemus,

cocoons/food plants 5561.

eggs, chorion morphology/biochemistry 2484, 2485.

follicles, transcription 4021.

genes, evolution/organization/structure 4003.

larvae, sex differentiation 196.

oviposition 5456.

pupae, DNA biosynthesis, development 7128.

reproductive behaviour, interspecific interactions *Saturnia pyri* 7667.

Antheraea roylei,

x *Antheraea pernyi*, hybrids, chromosomes 1311.

Anthicidae,

check lists/new species, Mongolia, People's Rep. 4184.

new records, Hungary 2216.

new records, Sweden 672.

new species, Ethiopian Region 6564.

new species, India 4185.

Anthicidae,(continued)

new species, Malagasy Rep. 5078.
 new species, Sudan (Dem. Rep.) 8112.
 new species/collections, Bangladesh/USA 39.
 new species/new records, Tanzania 5077.
 new subspecies/new records, Italy 762.
 taxonomy 2300.

Anthicus,

new records, Italy 762.
 new records, Tanzania 5077.
 new species, Bangladesh/USA 39.
 new species, Mongolia, People's Rep. 4184.

Anthicus sibiricus,

first record, Sweden 672.

Anthicus tobias,

first record, Hungary 2216.

Anthidium,

new species, Saudi Arabia 5175.

Anthocharis,

oviposition site selection/diapause 7690.

Anthocharis damone,

new subspecies, Yugoslavia/Greece 4286.

Anthocharis euphenoides,

first record, Italy Liguria 694.

Anthocopa cyprica,

new subspecies, Turkey 4271.

Anthocoridae,

behaviour 5465, 7714, 9430.

development 9331.

new records, man, Switzerland 7052.

new species, Kenya/Nigeria 2381.

populations 2971, 8687.

predation 9627.

toxicity mephosfolan 9277.

Anthocoris,

predation *Phorodon humuli*, integrated control 9627.

toxicity mephosfolan, non-target organisms 9277.

Anthocoris nemorum,

predation, foraging behaviour, orientation 5465.

Anthomyiidae,

attractants 5565.

behaviour 4699.

biological control 7100.

biology 2814.

chemical control 559, 5661.

chromosomes 4903, 5735.

ecology 2945.

genes 3137.

integrated control 9617.

mutation 8841.

oviposition 1032, 2895.

pest resistance *Sorghum* 7091.

pests 3086, 6342, 7084, 9624.

populations 1174, 5614, 9522, 9536.

reproduction 5410.

sampling 2449.

taxonomy 1468, 2353, 6601.

toxicity insecticides 6110.

traps 884.

Anthonomus grandis,

chemical control 1226, 3048, 5668, 5669, 5670, 6348, 9632.

chemical control/toxicity sulprofos 2082.

chemosterilants 2739.

chemosterilants/radiation (γ) effects on competitiveness 2059.

diflubenzuron + derivatives, activity/fate 3628.

digestive systems, anatomy 9192.

ecosystem management, mathematical models, *Gossypium*

hirsutum 6373.

enzyme polymorphism 8881.

growth regulators 3630.

immunology, *Serratia marcescens* 1748.

locomotor activity, measuring techniques 9113.

marking and tracking techniques 8311.

marking dyes 2460.

metabolism fatty acids 1675.

pest control 8758.

pest resistance *Gossypium* 1131.

pest resistance *Gossypium hirsutum* 8626.

pheromone traps 1541, 1556.

pupae, 20-hydroxyecdysone levels 969.

radiation (γ) effects on 3635.

rearing 9119.

rearing, methodology 3429.

reproduction, diflubenzuron + radiation (γ) effects on 9322.

sampling, pheromone traps 9623.

sterilization 5404, 9340.

sterilization, chemosterilants/radiation (γ) 6132.

toxicity diflubenzuron 6098.

toxicity methyl parathion/NRDC-161 1756.

Anthonomus rubi,

life cycles/pest status, *Rosa*, Denmark 3029.

Anthophila fabriciana,

overwintering 6192.

Anthophora,

taxonomy 2398.

Anthophora abrupta,

Dufour's gland secretions, larvae food 271.

Anthophora antiope,

nests 390.

Anthophoridae,

behaviour 1073, 7655, 7668, 7693.

biology 1081, 5504.

glands 271.

life cycles 9428.

nests 390, 4643.

new records, Germany, Fed. Rep. Kaiserslautern 4121.

parasitism 4672.

pollen robbing behaviour, interspecific interactions 374.

pollination *Malpighia punicifolia* 1938.

pollination *Opuntia* 4693.

taxonomy 2398, 4259, 6653.

Anthoseius,

new species, Israel 4158.

Anthrax inauratus,

taxonomy 8177.

Anthrenus,

chemoreceptors, ultrastructure 930.

Anthrenus flavipes,

chemical control, wool 3057.

Anthrenus verbasci,

parasitism 9455.

Anthribidae,

biology 8730.

check lists, Malawi 8927.

new species, Japan 40.

new species, Turkey 8994.

revision, Japan 2301.

taxonomy 6565, 8113.

Anthypna,

new species, Spain 9021.

Antibiosis,

see **Plants**

Antibiotics,

actinomycin D/mitomycin effects on cuticle, *Tenebrio*

Antibiotics,(continued)

molitor 328.
effects on cuticle, *Stomoxys calcitrans* 6882.
oxytetracycline effects on chalkbrood, *Apis mellifera* 9263.

***Anticarsia gemmatilis*,**

life cycles, *Glycine max* effects on 8582.
natural enemies, Brazil 2002, 3068.
predators identification, radioactive labelling 1989.

***Anticleora*,**

new species, Malagasy Rep. 3387.

Antilles,

check lists Cerambycidae 8075.
check lists Dioptriidae 8945.

Antipodes Is.,

check lists Chironomidae/Ceratopogonidae 2351.

***Antipodochlora braueri*,**

habitats/behaviour 6299.

***Antipodophlebia asthenes*,**

larvae 1573.

***Antireicheia*,**

new species, South Africa 7269.

***Antisphodrus*,**

new species, Iran 4190.

***Antitype jonis*,**

first record, Italy 1383.

***Antonina graminis*,**

phenology 6950.

***Antroherposoma*,**

new records, Italy 3415.

***Antroverhoeffia mirabilis*,**

new records, Italy 3415.

***Anubis*,**

revision, Palaearctic Region/Oriental Region 2312.

***Anurogryllus celerinictus*,**

thermoregulation, burrows 7525.

***Aonidiella aurantii*,**

sex pheromone 4456.

***Apamea illyria*,**

range extension, Europe 5014.

***Apanteles*,**

biology/parasitism *Antheraea pernyi*, China, People's Rep. 1908.

new records, Romania 8616.

new species, Japan/India 7353.

parasites *Lymantria dispar*, Iran 433.

parasitism *Phyllonorycter* 9517.

population genetics, haploidy-diploidy sex ratios, mutation rates 4089.

taxonomy 4262, 5160.

taxonomy/morphology 826.

***Apanteles ayezai*,**

parasitism Lepidoptera pests *Brassica*, Brazil Curitiba 562.

***Apanteles congregatus*,**

parasitism *Manduca sexta* 9454.

***Apanteles dignus*,**

parasitism, *Spilochalcis hirtifemora* 434.

***Apanteles flavipes*,**

parasitism *Chilo partellus* 1259.

***Apanteles fumiferanae*,**

toxicity L 7063 5387.

***Apanteles galleriae*,**

parasitism *Galleria mellonella* 6984.

***Apanteles glomeratus*,**

development/growth, hosts age effects on 7738.

***Apanteles marginiventris*,**

parasitism *Spodoptera praefica*, ecology 1993.

***Apanteles melanoscelus*,**

parasitism *Lymantria dispar* /nuclear polyhedrosis virus infection 1743.

sex pheromone glands 8445.

***Apanteles polychrosidis*,**

parasitism *Ancylis discigerana* 9380.

***Apanteles popularis*,**

parasitism *Tyria jacobaeae*, population regulation 2832.

***Apanteles subandinus*,**

biological control *Phthorimaea operculella* 4805.

***Apanteles tedellae*,**

parasitism *Epinotia tedella* 4667.

***Aparupa*,**

new species, India/Nepal 2311.

***Apatania auricula*,**

morphology/geographical distribution, German Dem.Rep. 4337.

***Apate monachus*,**

chemical control/pest status 6371.

***Apelacarus*,**

new genus 5810.

***Apateticus bracteatus*,**

life cycles 2789.

scent gland, ultrastructure/secretion 6076.

***Apatura*,**

diapause, environmental factors 6878.

taxonomy 4284.

***Apatura illa*,**

gynandromorphs 4947.

***Apatura iris*,**

geographical distribution/status, British Isles 4987.

new records, Spain Navarra 3233.

new subspecies, Korea, Rep. 8272.

***Aphaenogaster*,**

mycophagy 9442.

***Aphaenogaster carolinensis*,**

symbiosis *Oliarus vicarius* 7822.

***Aphaenogaster fulva*,**

mandibular glands secretions 2628.

***Aphaenogaster rudis*,**

resource partitioning, foraging behaviour, forests 4625.

***Aphalara*,**

taxonomy 7350.

***Aphanistes*,**

new species, New Zealand 5934.

***Aphanistes kayi*,**

pest status, New Zealand 5934.

***Aphanogmus*,**

taxonomy 2400.

***Aphanogmus fijiensis*,**

first record, Neotropical Region 3261.

***Aphanostigma jakusiense*,**

biology 5521.

***Aphanostigma piri*,**

first record/pest status/chemical control, Sicily 677.

***Aphanotrigonella*,**

new species, Palaearctic Region 8184.

revision, Palaearctic Region 6609.

***Aphanotrigonum*,**

new species, Palaearctic Region 8184.

revision, Palaearctic Region 6609.

***Aphanus rolandi*,**

first record, India 8928.

Aphelinidae,

biological control 5660.

biology 8612.

book 748.

Aphelinidae,(continued)

- development 8521.
 introduced species, Italy 9618.
 morphology/parasitism 8325.
 new records, Argentina 8944.
 new records, Italy 9733.
 new species, India 5156.
 new species, Israel/Italy 9075.
 new species, Italy 9076.
 new species/new records, India 7351.
 parasitism 1093, 2073, 4732, 5548, 5694, 7744, 7900, 9456.
 population genetics 8885.
 rearing 8773.
 sense organs 9178.
 taxonomy 4260, 5155.
taxonomy 6654.
 taxonomy/new records, India 8242.
- Aphelinus,**
 morphology/parasitism 8325.
 parasitism *Aphis gossypii* 7744.
- Aphelinus subflavescens,**
 first record, Argentina 8944.
- Aphelopus,**
 parasitism Typhlocybinae 430.
 phenology 4630.
- Aphidecta obliterata,**
 overwintering, cold tolerance/mortality factors 4646.
- Aphidencyrus aphidivorus,**
 parasitism *Aphis gossypii* 7744.
- Aphididae,**
 antifeedants 2885.
 behaviour 4662, 5574, 8604.
 behaviour/pest resistance 9476.
 biological control 556, 1225, 2642, 3972, 5709.
 biotypes 2594, 4628.
 check lists, Switzerland 7178.
 check lists/new species, India 2386.
 chemical control 538, 1242, 2063, 3041, 3044, 3060, 3072, 3959, 5680, 6337, 7876, 7888, 8731, 9595, 9600, 9606, 9607.
 chemical control/cultural control 9629.
 chemical control/natural enemies 6345.
 chromosomes 2147, 8809, 8814, 8820.
 control/pheromones 568.
 control programmes 3952.
 control/vector-borne diseases 9473.
 cultural control 2074, 5703, 9597, 9620.
 deterrents 7521.
 development 4560, 4579, 7604, 8529, 9348.
 development/reproduction 7609, 9472.
 diapause 6066.
 diets 236.
 dispersal 394, 2910, 6263.
 ecological genetics 2188, 8871.
 ecology 2006.
 enzymes 2578.
 excretion 4395.
 fecundity 2745, 5623.
 host plants 473, 1960, 3777, 4695.
 host selection 2854.
 host selection/coevolution, host plants 2853.
 host specificity 1150.
 integrated control 635, 9627.
 life cycles 4617, 4650, 9384.
 life cycles/populations 4736, 7036.
 melizitose production 1669.
 methodology 2457.
 migration 6261.
 morphology 4329.
 moulting 1045.
 muscles 4351.
 mutualism 8611.
 natural enemies 1983, 3892, 5671.
 natural enemies, India Sikkim/Manipur 2241.
 nerves 161.
 new records, Australia 2255.
 new records, British Isles 8004.
 new records, German Dem. Rep. 6510.
 new records, India-Kerala 8060.
 new records, Philippines 6529.
 new records, USA 9751.
 new species, British Isles 5144.
 new species, Canada 89.
 new species, Iran 2384, 7334.
 new species, Japan 2387.
 new species, Nearctic Region 5916.
 new species, Sudan (Dem. Rep.) 6638.
 new species, USA 2385, 8226, 8227.
 new species/new records, Chile 1496.
 new species/new records, China, People's Rep 86.
 nucleic acids/proteins 600.
 nutrition 5314, 6799.
 parasitism 428, 2844, 4666, 5157, 5158, 7744, 8179, 8325, 9449, 9452.
 parasitism, Asia, book 2257.
 pathology 3578, 3580, 3591, 7547, 9258, 9269, 9270.
 pest resistance *Abies* 8628.
 pest resistance *Fragaria chiloensis* 1936.
 pest resistance Graminae 3808.
 pest resistance *Helianthus/Viguiera porteri* 456.
 pest resistance Leguminosae 1955.
 pest resistance *Malus* 8776.
 pest resistance *Medicago* 8641.
 pest resistance *Medicago sativa* 548, 3785, 6241.
 pest resistance *Nicotiana tabacum* 9492.
 pest resistance *Rubus idaeus* 9475.
 pest resistance *Solanum berthaultii* 4681.
 pest resistance *Sorghum* 6350.
 pest resistance *Sorghum bicolor* 7897.
 pest resistance *Triticum* 7889.
 pest resistance *Triticum aestivum* 6258.
 pest resistance *Triticum/Hordeum* 2896.
 pest resistance *Triticum tauschii* 2673.
 pest status, Trinidad/Tobago 3028.
 pest status/pest control, review 1333.
 pesticide resistance 2664, 2675.
 pests 545, 2086, 3047, 3086, 3978, 3991, 4812, 5569, 5665, 5675, 5679, 5682, 5701, 6353, 9589, 9624.
 pests, *Gossypium hirsutum*, Greece 3084.
 pheromones 971, 1705.
 physiology 1841.
 pirimicarb resistance 6100.
 pollution effects 8748.
 polymorphism 1815, 2881, 3648, 7642, 8544, 8545, 9706.
 population dynamics 5609.
 population growth 2953.
 population models 3896, 4734.
 populations 5598, 5600, 6297, 6300, 7029, 7046, 7078, 8676.
 predation 2947, 4616, 4742, 6293, 9406.
 predation, cereals crop fields 3823.
 prey Syrphidae, Czechoslovakia 1997.
 rearing 178.
 reproduction 4690, 5394, 6154, 7629.
 rhythms 5279.
 sampling 878, 8769.

Aphididae, (continued)

sterilization 6886, 7617.
 taxonomy 5143, 5917, 6639, 6640, 8225, 8228, 8229, 9067, 9068.
 taxonomy/check lists, Portugal 2388.
 taxonomy/morphology 3366.
 taxonomy 88.
 teratology 9145.
 toxicity fenvalerate 3104.
 toxicity fungicides 4515.
 toxicity insecticides 2679, 2681.
 transmission barley yellow dwarf virus 1954.
 transmission-turnip mosaic virus 1952.
 traps 5971.
 vector-borne diseases 577, 1951, 1967, 2855, 3790, 3791, 3810, 4694, 6259, 6260, 6986, 6987, 9469, 9481, 9604.
 vector-borne diseases, review 3949.
 vectors 1234, 1268.
Aphidiidae,
 check lists, Cuba 8078.
 development 5545.
 ecological genetics 9699.
 host specificity, evolution 7988.
 immature stages 7437.
 new records, India Sikkim 2241.
 new species, Belgium 5158.
 new species, German Dem. Rep. 5159.
 new species, Palaearctic Region 5157.
 parasitism 428, 2844, 3972, 4666, 5709, 6223, 6297, 6983, 9452.
 parasitism, book 2257.
Aphidius,
 biological control *Acyrtosiphon*, New Zealand 3972.
 new records, India Sikkim 2241.
 new species, Belgium 5158.
 new species, Palaearctic Region 5157.
 parasitism *Acyrtosiphon pism* 428.
Aphidius nigripes,
 immature stages 7437.
 parasitism *Macrosiphum euphorbiae* 9452.
Aphidius rosae,
 parasitism *Macrosiphum rosae* 6297.
Aphidoidea,
 check lists, Thailand 7216.
 host specificity/host selection 2902.
 taxonomy/check lists, Portugal 2388.
Aphidoletes,
 spermatozoa 6120.
Aphis,
 new species, Canada 89.
 new species, Sudan (Dem. Rep.) 6638.
 parasitism, Braconidae, *Citrus*, Italy 9449.
 taxonomy 1960, 5143, 8225.
 teratology 9145.
Aphis affinis,
 chemical control 8731.
Aphis barberae,
 life cycles/population levels 7036.
Aphis citricola,
 artificial diets 178.
 transmission citrus tristeza virus 6987.
a.a.-trehalase activity 2578.
Aphis craccivora,
 new records, Chile 1496.
 parasitism 4666, 6983.
 transmission groundnut rosette virus 6250.
 vectors, soybean mosaic virus 6986.

Aphis fabae,

biological control 556.
 chemical control 9600.
 dispersal, alatae/apterae larvae 5574.
 excretion, diets effects on 4395.
 fecundity relationship ovarioles 2745.
 host plants 1960.
 pest status, Czechoslovakia 3086, 9624.
 polymorphism, juvenile hormones 8544, 8545.
 polymorphism, juvenile hormones role 1841.
 population dynamics, role *Entomophthora* 5598.
 reproductive strategy 5394.
 sex polymorphism 7642.
 sulphur dioxide effects on metabolism/reproduction 7086.
 transmission beet mild yellowing virus/beet yellows virus 1268.

Aphis gossypii,

chemical control 1242, 9606.
 chemical control, *Gossypium hirsutum*, Burundi 3044.
 host plants, *Gynura angustosa* 3777.
 parasitism 7744.
 transmission cucumber mosaic virus 3791.
 transmission plant viruses, *Cucumis melo* 3810.
 transmission pumpkin mosaic virus, prevention 9604.

Aphis nasturtii,

pirimicarb resistance 6100.

Aphis nerii,

wings development/differentiation, juvenile hormones 7604.

Aphis paraverbascl,

taxonomy 8229.

Aphis rubicola,

pest resistance *Rubus idaeus* 9475.
 temperature effects on development, sexual polymorphism 1815.

Aphithromblum,

new genus, USA 5059.

Aphodiidae,

cleptoparasitism Scarabaeinae environmental factors, Niger 2919.

geographical distribution, Italy/Sicily 4109.

new records, Italy 7190.

new species, Italy 3298.

new species, Korea, Rep. 5079.

taxonomy 1439, 5836.

zoogeography 6501.

Aphodius,

anatomy mouthparts 2568.

communities, species composition/niche overlap 5586.

coprophagous organisms, seasonal variations community composition 2963.

new species, Ethiopian Region 4208.

new species, France/Sardinia 1460.

new species, Morocco/Algeria 5863.

new species, South Africa 8153.

pathogenicity *Cordyceps aphodii* 3572.

review, Italy 6501.

taxonomy 3322.

Aphodius johnsoni,

first record, Italy 7190.

Aphodius plasoni,

taxonomy 2331.

Aphodius rufipes,

cleptoparasitism *Geotrupes spiniger* 1120.

Aphodius tasmaniae,

larvae, activity, photography Scarabaeidae, activity 3418.

Aphomia gularis,

sex pheromone 7517.

- phonopelma chalcodes**,
parasites, *Notocyphus dorsalis* 443.
- phorma**,
new species, Turkey 6648.
- phrodes**,
taxonomy/geographical distribution, Europe 2389.
- phrodes bicinctus**,
oophthora radicans infection 4489.
- phrodes vallicola**,
new subspecies, USSA 90.
- phytis**,
book 748.
- phytis chilensis**,
parasitism *Aspidiotus nerii* 7900, 9456.
- phytis holoxanthus**,
development, Altosid effects on 8521.
- piculture**,
methodology 167, 168.
- overwintering *Apis mellifera* nests 1099.
- SA California 539.
- pidae**,
acids volatiles 258.
- adaptations 3994.
- aging 9297.
- arm behaviour 1071.
- antibiotics 9263.
- apiculture 539.
- artificial insemination 9303.
- tractants 2905.
- behaviour 224, 1890, 2553, 2873, 3707, 3711, 4598, 4623,
4679, 4702, 4709, 4848, 5470, 5532, 5558, 5716, 6255, 7676,
7763, 8569, 8588, 8785, 9372, 9390, 9643, 9645.
- behaviour/reproduction 9630.
- behavioural genetics 633, 3161, 3162, 6436.
- biology 1106.
- biometrics 9133.
- biometrics 453.
- book 732.
- food rearing 3641.
- hosts 5719.
- cell division 4050.
- colonies 7711, 9638.
- communication 7675.
- immunities 5617, 5634.
- development 6140, 6902, 6908, 7509.
- development physiology 3675.
- developmental genetics 1019.
- ets 162, 1545.
- ology 2957.
- zymes 963, 2624, 6009, 6813.
- olutionary genetics 4940.
- ding 9440, 9445.
- ght 1710, 3513.
- od plants 7770.
- aging behaviour 451, 467, 1098, 1269, 1969, 2807.
- es 6401.
- nds 986, 5350, 7526.
- rowth regulators/antifeedants 2720.
- ney 8753, 8754, 9647.
- rmones 9225.
- mature stages 897.
- estations *Galleria mellonella* 7694.
- rning 6010, 7679.
- morphology 1584.
- cycles 5486, 8786, 9639.
- tabolism 4429, 8404, 8411.
- crosscopy 1593.
- mimicry 3174, 3186.
- muscles 2509.
- mutation 2161, 4929, 4939, 6430, 9690, 9691.
- nerves 2526, 8363.
- nests 169, 1089, 2937.
- new records, Denmark 3215.
- new species, Morocco 6655.
- new species, Neotropical Region 825.
- niche overlap 5228.
- nutrition 4430.
- orientation 1869, 3697, 6013.
- ovary 2700.
- overwintering 1099.
- parasitism 2067, 5544.
- pathology 285, 287, 2641, 2652.
- pheromones 2602, 4438, 4474, 5718, 6058.
- pheromones/pheromones, queen pheromone, effects on
swarming behaviour, *Apis mellifera* 7678.
- pollen robbing behaviour, interspecific interactions 374.
- pollen storage 9446.
- pollination 449, 4683, 5710, 8629.
- pollination, *Hybanthus prunifolius* 1953.
- pollination *Cypripedium acaule* 6359.
- pollination *Dactylorhiza sambucina* 3799.
- pollination *Lycopersicon* 5567.
- pollination *Prunus persica* 3779.
- pollution effects fluorides 504.
- population genetics 1337.
- populations 5583, 9649.
- predation 1995.
- proteins 933, 2581, 7501.
- queens 914.
- rearing/diseases 8765.
- repellents 7099.
- reproduction 4571, 4590.
- reproductive systems 1024.
- respiration 9220.
- secretion 9252.
- secretions 1730.
- semen storage 9299.
- sense organs 936, 1630, 2544, 6014, 6762, 8373, 8382, 9173.
- senses 216, 222, 3699, 5264, 9174.
- sex ratios 6304.
- sound production 6380.
- spermatogenesis 1830, 4574.
- stings 8321.
- survival 1915.
- swarming 2106.
- taxonomy 1504, 2399.
- thermoregulation 270, 7524.
- toxicity endosulfan 3600.
- toxicity insecticides 2670.
- toxicity nectar 6109.
- toxicity pesticides 5982.
- toxicology 2034.
- venom 4503, 6081.
- viruses 5367.
- waxes 1670.
- zoogeography 8041.
- Aplon**,
new species, Turkey 5094.
- taxonomy 8064.
- taxonomy/new records, Turkey 6573.
- Aplon corchori**,
chemosterilants/sterile-release 344.
- insecticides toxicity 1015.

- Apion curtirostre*, ecology/life cycles, *Rumex acetosa* host plants 1947.
first record, Nearctic Region 8064.
- Apion oblongum*, new records, Poland 2220.
- Apion violaceum*, ecology/life cycles, *Rumex obtusifolius* host plants 1948.
- Apis*, alarm pheromone 4438.
circadian rhythms foraging behaviour, *Pyrus* flowers, India Ludhiana 2807.
communication/orientation 7676.
development, adenosinetriphosphatase 7509.
eye, potassium transport 6014.
foraging behaviour 4702.
honey production, hybrids 9647.
sound production, workers 6380.
taxonomy 1504.
toxicity pesticides 5982.
- Apis cerana*, behaviour, queens 4848.
- Apis franklini*, taxonomy 2399.
- Apis laboriosa*, morphology/ecology/geographical distribution 1504.
- Apis mellifera*, acetylcholinesterase activity, ocelli 6009.
activity patterns, magnetic fields 5470.
adaptations, nests hygiene 3994.
alarm behaviour, alarm pheromone, behavioural genetics 633.
alarm pheromone response, age effects 2602.
amyloid agglomeration, ageing 9297.
artificial insemination, workers effects on 9303.
attractants, *Melissa officinalis*, volatiles 2905.
balance sense organs, pollen baskets 8373.
behavioural genetics, aggressive behaviour 3161.
behavioural genetics, learning, tryptophan mutants 3162.
behavioural genetics, umber mutant/brick mutant 4939.
biometrics, Chad 9133.
biosynthesis waxes 1670.
brood rearing, environmental effects 3641.
brood rearing/longevity, seasonal variations, French Guiana 1106.
caste determination, juvenile hormones 3675.
chemical control *Acarapis externus* 2067.
collection *Neurospora crassa* 1269.
colonies, alleles, mathematical models 6401.
colour vision, nerves 9174.
colour vision, role optic lobes 216.
communication, altitude 7675.
demography/life history, geographical variations 9639.
development, metabolism fatty acids 6908.
development, metabolism lipids 6902.
developmental genetics, ploidy 1019.
diets 1545.
diets effects on brood rearing 162.
drones pursuit behaviour 224.
embryogenesis, juvenoids effects on 6140.
eye, glycogen metabolism, light effects on 1630.
eye, optomotor response 6013.
eye, proteins 933.
eye, rhabdom 8382.
eye, ultrastructure, development 2544.
eye colour genes, mutation rates 2161.
feeding attractants 5532.
flight activity, environmental effects 4709.
flight metabolism, carbohydrates 3513.
flight muscles/skeleton, tensile properties 2509.
food consumption, isolation environmental factors 9440.
food plants 7770.
food preferences, sugars 9445.
foraging behaviour 4623.
foraging behaviour, *Medicago sativa* effects on 2873.
foraging behaviour, nectar plants, Israel 467.
foraging behaviour, pollination *Malus domestica* 451.
foraging behaviour, role leg nerves 2526.
foraging behaviour, *Trifolium repens*, roadsides 1969.
foraging behaviour/orientation, chemical stimuli 9372.
foraging behaviour/pollination *Helianthus annuus*, diel activity 7763.
foraging behaviour/social behaviour 8569.
 α -glucosidase, purification/characterization 963.
growth regulators/antifeedants, *Azadirachta indica* plant extracts 2720.
honey production 8753, 8754.
host selection/pollination, *Lotus corniculatus* 5558.
10-hydroxydec-2-enoic acid secretion, isolation effects on 9252.
infestations *Galleria mellonella* 7694.
insulin analogues, digestive systems 9225.
kynurenine deficient mutant, ganglia electrical properties 9691.
learning 3707.
learning, behavioural genetics 6436.
learning, environmental effects 7679.
longevity, pheromones 6058.
mandibular glands/royal jelly, acids volatiles 258.
mating behaviour, evolutionary genetics 4940.
mating/fertilization 4590.
melanophore-dispersing factor 7501.
metabolism, plants sterols 8411.
metabolism sterols 4429.
mimicry 3186.
mosaicism 4571.
mutants, genes linkage 4929.
Nasonov gland pheromones, social behaviour 4474.
nerves, optic ganglion 8363.
nests, fauna, Poland 2937.
nests, overwintering 1099.
nests site selection 1089.
nontarget organisms, insecticides, USA California 539.
Nosema apis infection, treatment 9257.
nutrition sterols 4430.
ocelli, acetylcholinesterase 6762.
orientation, magnetic fields 1869.
orientation, polarized light 3697.
ovarioles development 2700.
oxygen consumption, atmospheric pressure effects on 8404.
oxytetracycline effects on chalkbrood 9263.
parasitism 5544.
pathogenicity *Bacillus thuringiensis* 2641.
pathogenicity fungi contamination honey 2652.
pathology, *Nosema apis* diagnosis/prophylaxis 287.
pathology, *Ooctosporea muscaedomesticae* infection 285.
pollen robbing behaviour, interspecific interactions 374.
pollen storage, yeasts 9446.
pollination *Brassica napus* 4679.
pollination *Lycopersicon* 5567.
pollination *Medicago sativa* 8629.
pollination *Prunus persica* 3779.
pollination *Trifolium hybridum* 449.
pollination *Trifolium repens* 4683.
population structure, mathematical models 9649.
populations, pollution effects fluorides 504.

***Apis mellifera*, (continued)**

predation, *Philanthus triangulum*, Egypt, Arab Rep. 1995.
 queen pheromone effects on swarming behaviour 7678.
 queens pheromones transfer, colonies 5718.
 queens rearing/swarming, environmental factors 9645.
 queens recognition, pheromones 9643.
 rearing/diseases 8765.
 repellents, pesticides 7099.
 reproduction/swarming, management effects on 9630.
 subdom artefacts, sectioning methodology/morphology 1593.
 semen storage, effects on fertility 9299.
 sense organs, role, flight 9173.
 short term memory localization 6010.
 social behaviour 5716, 8785.
 split-sting mutant 6430.
 sun compass orientation 4598.
 survival, food/water effects on 1915.
 swarming, crowding/queens effects on 9638.
 swarming, seasonal variations 8786.
 swarming, social organization 2106.
 thermoregulation 270, 7524.
 thermoregulation, flight 1710.
 thermoregulatory behaviour 2553.
 toxicity *Astragalus miser* nectar 6109.
 toxicity endosulfan 3600.
 toxicity insecticides, nontarget organisms 2670.
 cryptophan 2,3-dioxygenase deficient mutant, behavioural genetics 9690.
 venom, effects on heart rats 6081.
 venom, toxicology, cats 2034.
 venom characterization 4503.
 venom hyaluronidase 6813.
 viruses, review 5367.
 visual perception 222.
 visual perception colour 3699.
 tellogenin, characterization 2581.
***Apocera*,**
 new species, Iran/Yugoslavia 7373.
***Apoccephalus*,**
 new species, Brazil 7315.
***Apoccephalus tenuipes*,**
 new records/behaviour, USA Florida 401.
***Apochthonius minimus*,**
 predation *Folsomia candida*, foraging behaviour 9541.
 predation *Folsomia candida*, population dynamics 9542.
***Apocordulia*,**
 new genus, Australia 5958.
***Apocrypha*,**
 taxonomy 4215.
***Apocrypha anthicoides*,**
 immature stages 4215.
***Apocrypta westwoodi*,**
 reproductive systems anatomy 2698.
***Apodacra*,**
 new species, USSR 6619.
***Apogonia*,**
 population structure/seasonal variations, savannahs, Ivory Coast 2965.
***Apoida*,**
 behaviour, review 1059.
 biogeography, World 2198.
***Apolpitolum*,**
 new species, Canary Is. 2293.
***Aponomma hydrosauri*,**
 feeding behaviour/reproductive behaviour 8559.
 mating behaviour 3684.

***Aponomma quadricavum*,**

larvae/parasitism *Epicrates striatus* 9459.
***Aponychus*,**
 taxonomy/new records, Tetranychidae 6552.
***Aporophebus*,**
 new species, Tunisia 4274.
***Apotomus*,**
 new species, Brazil 8121.
***Apotrabisus*,**
 taxonomy 5109.
***Apotrigona nebulata*,**
 enzymes glands 2624.
***Apotropna*,**
 taxonomy 795.
Appendages,
 abdominal bristles, heritability, *Drosophila melanogaster* 8797.
 abdominal bristles, heritability, *Drosophila melanogaster* 8796.
 antennae, adhesive structures, *Harpocera thoracica* 8353.
 antennae, morphology, *Bombyx mori* gynandromorphs 3166.
 antennae, morphology, Pteromalidae 2494.
 antennae, sense organs, *Cassida viridis* 9181.
 antennae, sense organs, *Encarsia* 9178.
 antennae, sense organs/electroantennograms, *Periplaneta brunnea* 3480.
 antennae, sensilla, Hymenoptera 7474.
 antennae, sensilla, *Pectinophora gossypiella* 934.
 antennae, sensilla ultrastructure, *Melipona quadrifasciata* 936.
 antennae, teratology, *Ardeicola stellaris* 2493.
 antennae, ultrastructure, *Chironomus* 9153.
 antennae chemoreceptors, ultrastructure, Dermestidae 930.
 bristles, wings, genes, *Drosophila hydei* 8794.
 flagella, development, *Blattella germanica* 7580.
 galea chemoreceptors, *Entomoscelis americana* 5273.
 gonopods, development, *Sigmoria latior* 3440.
 hastisetae, role, defence, *Trogoderma* 6958.
 labia, biomechanics, *Aeshna* 6777.
 labium, sensilla, *Dysdercus intermedius* 7478.
 leg, adhesives secretion, Pentatomidae 9255.
 leg, chordotonal organs, *Anax imperator* 6776.
 leg, functional morphology, cleaning, Hymenoptera 1586.
 leg, grafting/regeneration, *Blaberus craniifer* 9314.
 leg, morphology, Apidae 1584.
 leg, morphology, phylogeny, Alticinae 652.
 leg, movements/oscillation coordination, walking, *Carausius morosus* 1610.
 leg, nerves, role, foraging behaviour, *Apis mellifera* 2526.
 leg, nerves, *Zygiella x-notata* 218.
 leg, oscillation rhythms, walking, *Carausius morosus* 1615.
 leg, pollen baskets, sense organs, *Apis mellifera* 8373.
 leg, regeneration/transplantation, *Teleogryllus commodus* 7592.
 leg, scolopale organ, *Gryllus bimaculatus* / *Phaeophilacris spectrum* 9179.
 leg, spines, *Megamelus davisii* 9136.
 leg, teratology, *Dineutus nigrior* 908.
 leg coordination, locomotion, Gryllidae 2508.
 leg morphology, adhesive structures, *Elasmucha ferrugata* 7455.
 mandibles, microscopy, Coleoptera 5973.
 maxillary palps 9175.
 maxillary palps, sensilla, *Dermestes maculatus* / *Tenebrio molitor* 8372.
 mouthparts, Arthropoda parasitism livestock 8716.
 mouthparts, *Calyptra eustrigata* 6969.

Appendages,(continued)

- mouthparts, *Ceratopogonidae* 8322.
- mouthparts, *Contarinia sorghicola* 7441.
- mouthparts, *Cteniza* 9135.
- mouthparts, functional morphology, *Acridoidea* 8326.
- mouthparts, *Scapteriscus* 6726.
- role, adhesion, *Chrysolina polita* 6753.
- sensilla, chemoreceptors, *Dendroctonus ponderosae* 7479.
- spinnerets + glands, *Uloboridae* 6067.
- spinnerets, *Uloboridae* 6067.
- stings, anatomy, *Myrmecia* /*Nothomyrmecia macrops* 6748.
- stings, *Apidae* 8321.
- teratology, *Tingidae* 9146.
- wings, aerodynamic properties, *Locusta migratoria* 9158, 9159.
- Appias drusilla*,**
 - host plants 562.
- Appias phoebe*,**
 - new subspecies, Philippines 112.
- Apteryskena*,**
 - new species, USSR 153.
- Arachnida*,**
 - insecticides effects on 4825.
- Arachnocampa luminosa*,**
 - eye structure 4373.
 - Malpighian tubules, structure/function 1667.
- Aradidae*,**
 - behaviour 8578.
 - new species, Canada 5907.
 - new species, Chile 8209.
 - new species, Papua New Guinea 4244.
 - taxonomy 6631, 8210.
 - taxonomy/zoogeography 8208.
- Aradus*,**
 - new species, Canada 5907.
 - taxonomy 8210.
- Aradus cinnamomeus*,**
 - locomotion/orientation, undergrowth effects on 8578.
- Araecerus fasciculatus*,**
 - biology, bibliography 8730.
- Araneae*,**
 - anatomy 6001.
 - appendages 9135.
 - behaviour 6216.
 - biological control *Spodoptera littoralis*, orchards, Israel 1235.
 - biometrics 2471.
 - carotenoids 2595.
 - check lists, caves, Alps, France/Italy 2278.
 - check lists, Faeroe Is. 6463.
 - check lists, Poland Kulin Nature Reserve 9723.
 - check lists, Sweden Muddus National Park 8017.
 - check lists/ecology, British Isles Inchcailloch I. 3890.
 - check lists/new records, Belgium 1359.
 - check lists/new species, Morocco 760.
 - communities 4720, 5632, 6266, 6274, 6276, 7043, 8689.
 - communities, forests, Scotland 3852.
 - competition 7021.
 - courtship 1057.
 - ecology 484, 4717, 7793, 8652.
 - fecundity 3432.
 - habitat preferences/community composition, grasslands/forests 1187.
 - habitats 8690.
 - hatching 1911.
 - life cycles 5389.
 - maternal behaviour, review 3686.
 - natural enemies *Chilo partellus* 1996.
 - nerves, amino acids 4358.
 - new records, Belgium 1360.
 - new records, Germany, Fed. Rep. Lorenzer Reichswald 890.
 - new records, Switzerland 7185.
 - predation 3871, 9523, 9527.
 - predators *Heliothis*, Australia New South Wales 501.
 - proteins 3526, 4412.
 - respiration 1647.
 - stratification, forests, relationship environmental conditions 1173.
 - taxonomy 2288.
 - traps 5618.
 - venom 8481.
 - webs 1643.
 - zoogeography 5763, 5764, 7183, 7184.
- Araneidae*,**
 - behaviour 4586.
 - check lists, Seychelles 5760.
 - courtship/mating behaviour 351.
 - haemolymph 3493.
 - nerves 218.
 - new records, Germany, Fed. Rep. Rheinland 4103.
 - new species, India 2289, 2290.
 - new species/new records, Comoro Is. 5816.
 - parasitism 7737.
 - predation 6967.
 - predatory behaviour 1114.
 - taxonomy 1430, 6556, 8976.
- Araneus*,**
 - grooming behaviour, role gnathocoxal gland 2630.
 - taxonomy 2290, 8976.
- Araneus adiantus*,**
 - first record, Germany, Fed. Rep. Rheinland 4103.
- Araneus diadematus*,**
 - silk, ultrastructure 4475.
- Araneus gemma*,**
 - haemolymph biochemistry 3493.
- Araneus trifolium*,**
 - foraging behaviour, functional morphology 6216.
- Arbovirus*,**
 - characterization Peaton virus 1208.
- Archaeomacrocera*,**
 - taxonomy 3353.
- Archeocrypticus*,**
 - taxonomy 4216.
- Archeolarca*,**
 - new species, USA 8987.
- Archeonothridae*,**
 - new species, Japan 4150.
- Archichrysotus*,**
 - new genus, fossils, Cretaceous, USSR 1469.
- Archimaga euplocamisi*,**
 - taxonomy 8280.
- Archips*,**
 - pest status, *Prunus serotina* 5685.
 - sex pheromone specificity/sampling 977.
- Archips cerasivoranus*,**
 - mating behaviour/sex pheromone 9365.
- Archips issikii*,**
 - spatial distribution, mathematical models 8659.
- Archips rosanus*,**
 - pest status/control, Italy Romagna 3974.
- Archisotoma*,**
 - new species, Norway 2345.

Arctic,

fauna/zoogeography Odonata 7995.

Arctiidae,

antifeedants 9284.

behaviour 5452.

biological control 3955, 4829.

biology 5479.

check lists, Spain Leon/Oviedo 703.

check lists/new species, Comoro Is. 8258.

chemical control 9592.

defensive behaviour, Chiroptera predation 6208.

development 2868, 7624.

ecology 3793.

glands 1724, 6072.

host plants 3782, 3803, 6240.

life cycles 410.

new records, British Isles Cumbria 657.

new records, Canada Newfoundland 8940.

parasitism 2832.

pathology 340, 993, 2643, 2647.

pests 3222, 7881.

pheromones 3704, 5330.

population dynamics 2813.

populations 7031, 9503.

taxonomy 2423, 7368, 9092.

toxicity plant extracts 1779, 4696.

toxicity plants 2869.

viruses 5361.

Arctocoris carinata,

geographical distribution, Europe 8036.

Arcynopteryx compacta,

life cycles/nutrition, freshwater environments, high-altitude environments 1880.

Arcyptera fusca,

chromosomes 6410.

Arcticola stellaris,

antennae, teratology 2493.

Ardeutica,

taxonomy 7390.

Arenivaga,

adaptations, deserts 9246.

Arenostola phragmitidis,

first record, Hungary 2234.

Argas,

interspecific hybridization 9697.

Argas arboreus,survival/fertility, radiation (γ) effects on 1826.*Argas cooleyi*,

aggregation pheromone 9230.

Argas persicus,

development, precocene effects on 342.

isolation bacteria 5648.

life cycles 4610.

life cycles/pest status 7685.

parasitism chickens/guineafowl 4773.

Argasidae,

development 342.

interspecific hybridization 9697.

life cycles 4610, 9402.

moulting 4740.

pests 7685.

pheromones 9230.

radiation (γ) 1826.

thermatophores 3536.

taxonomy 4152.

vector-borne diseases 5648, 5653.

vectors 3023.

Argentina,

biology/natural enemies *Alichtensia orientalis* 1093.

check lists Drosophilidae 8943.

check lists *Hoplopleura* 5793.first record *Aphelinus subflavescens* 8944.first record *Podonema impressum* 5099.

geographical distribution Scorpiones 5792.

geographical distribution *Sicarius* 5076.new records *Bruchophagus* 2253.

new records Cerambycidae 8127.

new species Aphelinidae 5155.

new species Apidae 825.

new species Baetidae 9061.

new species Bothriuridae 31, 32, 33.

new species Cerambycidae 770, 8128.

new species Delphacidae 2393.

new species Elateridae 5098.

new species Encyrtidae 2403.

new species Hymenoptera 94.

new species Lathridiidae 4202.

new species Leptophlebiidae 2380.

new species Masaridae 5174.

new species Menoponidae 137.

new species Micropterigidae 1519.

new species/new records Chironomidae 3346.

new species Tabanidae 5130.

new taxa Eumenidae 5167.

revision Corixidae 5135.

Argentina Iguazu National Park,

check lists, Odonata 8946.

Argia bipunctulata,

first record, USA Kentucky 8942.

Argia vivida,

ecological genetics, temperature effects 1340.

Argidae,

cocoons structure 5249.

Argina cribraria,food plants, *Crotalaria juncea*, effects on development 6995.*Argiope*,

webs, aminobutyric acid/taurine, effects on prey 1643.

Argiope trifasciata,

foraging behaviour, functional morphology 6216.

haemolymph biochemistry 3493.

Argogorytes fargei,

sex pheromone 4455.

Argogorytes mystaceus,

sex pheromone 4455.

Argus pseudargiolus,

taxonomy 5194.

Argyresthiidae,

review/check lists, Iberian Peninsula 691.

Argyrocupha malagrida,

new subspecies, South Africa 7376.

Argyrodes attenuatus,

webs/predatory behaviour 7680.

Argyrodes elevatus,cleptoparasitism *Nephila clavipes*, energetics 7737.*Argyrogramma albostrigata*,

development, temperature effects 4544.

Argyrotaenia velutinana,

chemical control/pheromone traps 2098.

Argyrotaenia velutinana,first record, *Platanthera cristata* host plants 7239.

sex pheromone glands, lipids 7536.

Arhopalus ferus,

nutrition/food preferences 1922.

reproductive systems 2696.

- Aridius**,
new species, Viet Nam 4203.
- Aristia**,
taxonomy 8292.
- Aristochroa**,
taxonomy/zoogeography 8120.
- Arixyleborus**,
taxonomy 4181.
- Arletta vardhana**,
new subspecies, Nepal 6672.
- Armadillidium vulgare**,
enzyme polymorphism, population genetics 4962.
iridescent virus 5365.
population ecology, grasslands 5620.
population structure sex 2923.
predation 3883.
radiation (ionizing) effects on 6153.
- Armadillo dorsalis**,
ecology, forests, Japan 3893.
- Armigeres breinli**,
Papua New Guinea, Hermit Is./Wuvulu I. 9761.
- Armigeres subalbatus**,
circadian rhythms biting behaviour 3489.
insecticides susceptibility 5378.
- Aroga**,
taxonomy 6671.
- Aromatic acids**,
benzoic acids, metabolism/excretion, *Periplaneta americana* /
Acanthoxyla intermedia 3520.
- Arrenuridae**,
new species, Botswana/South Africa 6.
parasitism 6981.
- Arrenurus**,
check lists/new records, USA Illinois 7218.
new species, Botswana/South Africa 6.
parasitism Diptera 2834.
- Artemidorus pressus**,
taxonomy/new records, India 8216.
- Arthropoda**,
evolution, review 4096.
- Aryl isothiocyanates**,
toxicity, *Aedes aegypti* 2667.
- Asagena**,
new records/morphology, USSR 8905.
- Asaperda**,
new species, Japan 2313.
- Asaphidion flavipes**,
new records, USA New York 8069.
- Ascalaphidae**,
larvae 2480.
new species/check lists, Senegal/Gambia 5210.
zoogeography 8074.
- Ascia monuste**,
parasitism, *Apanteles ayerzai* 562.
- Asemonea**,
taxonomy 8105.
- Asia**,
new species Carabidae 3303.
revision *Stiphropus* 8983.
- Asiabachus**,
taxonomy 20.
- Asilidae**,
behaviour 4594, 8564, 9388.
behaviour/life cycles 8579.
behaviour/natural enemies 8580.
brain, neurosecretion 1726.
check list/new records, Czechoslovakia Bohemia 1371.
check lists, British Isles Wales 6479.
check lists/ecology, Czechoslovakia Turiec Mts. 4110.
new records, British Isles Cumbria 655.
new species, Ethiopian Region 3339.
new species, India 2354.
new species/new records, Australia 796.
taxonomy 6602, 6603, 9034.
types 4222.
- Asiobates**,
new species/new records, Europe 6586.
- Asioditomyia**,
larvae 193.
- Aslauga**,
taxonomy 5949.
- Asmeringa**,
new species, Maldive Is. 6611.
- Asobara**,
alcohol resistance, sexual dimorphism 9457.
- Asosylus rhysodoides**,
larvae 1568.
- Aspidiotiphagus citrinus**,
parasitism *Aspidiotus nerii* 9456.
parasitism *Fiorinia externa* / *Tsugaspidotus tsugae* 4732.
- Aspidiotus hederae**,
ovarioles, ultrastructure 7588.
- Aspidiotus nerii**,
biological control 7900.
parasitism 9456.
- Aspidiotus perniciosus**,
spermatzoa, ultrastructure/motility 1837.
- Aspidolea**,
new species, French Guiana 1461.
- Aspidomorpha**,
immature stages 2475.
new records, introduced species, USA 8067.
- Aspidomorpha furcata**,
pest status, new records, *Ipomoea* 6335.
- Aspongopus obscurus**,
vitellogenesis 4558.
- Assara funerellum**,
taxonomy 130.
- Asteia**,
new records, Czechoslovakia 3209.
- Asteiidae**,
new records Czechoslovakia 3209.
- Asterolecanidae**,
biology/ecology 375.
- Asterolecaniidae**,
new species, Australia 7335.
new species, Chile/Ecuador 4252.
- Asterolecanium**,
new species, Australia 7335.
- Astove I.**,
check lists Cicadellidae 4254.
- Astraea**,
taxonomy 9020.
- Astroma riojanum**,
defensive behaviour, development/sex differences 9435.
- Asulcomotus**,
new species, China, People's Rep. Tibet 8289.
- Asyndetus**,
taxonomy/new records, Hungary 8185.
- Ataenius**,
new species, Cuba 3326.
- Atarba**,
new species, Ecuador/Bolivia 1488.

- Atascosa*,
new species, USA 8276.
- Atechna*,
taxonomy 4198.
- Atemnidae*,
new species, India 7260.
- Athalia proxima*,
bionomics 8575.
- Atherigona*,
pests, *Sorghum bicolor*, India Andra Pradesh 3095.
- Atherigona naqvii*,
Avena ludoviciana, host plants, new records 4695.
phenology, temperature effects 2783.
- Atherigona soccata*,
chemical control 3985, 8766.
cultural control/chemical control 9594.
parasitism 2780.
pest resistance *Sorghum* 2890, 7091.
- Atheropterus*,
taxonomy 5109.
- Atheta coriaria*,
first record, USA Florida 9747.
- Atheta fungi*,
at body/midgut ultrastructure, environmental factors 9211.
oxygen consumption, diapause, environmental factors 6807.
- Atheta kaiseriana*,
taxonomy 2339.
- Atheta pittionii*,
first record, German Dem. Rep. Thuringia 1364, 2215.
- Athletes semialba*,
larvae 5248.
- Athous*,
population studies, *Picea* forests, Czechoslovakia 1163.
- Athous spiniger*,
taxonomy 51.
- Athripsodes*,
new species, Morocco 3411.
- Athyreus*,
new species/revision, Neotropical Region 3325.
taxonomy 5086.
- Atlantea*,
new species, Dominican Rep. 3395.
- Atomaria*,
new species, Sweden 7267.
- Atomelidae*,
taxonomy/phylogeny 756.
- Topophlebia*,
new genus, Panama 80.
- Tractides octoporus*,
first record, Poland 2211.
- Tractocera*,
taxonomy 9058.
- Tractomorpha*,
new species/revision, Australia 8291.
- Tractomorpha crenulata*,
Australia 8499.
cytogen storage, seasonal variations 1687.
- Tractomorpha similis*,
chromosomes, germ cells 4923.
- Tractonius*,
new subspecies, Ethiopian Region 5085.
- Tribalus*,
taxonomy 786.
- Trophaneura*,
meturium secretion 5351.
taxonomy 6676.
- Trophaneura alcinous*,
sex pheromone 4451.
- Atta*,
activity patterns/geographical distribution, environmental factors, Brazil 7005.
chemical control 1266.
foraging behaviour, social interactions 7907.
glands, integument 5348.
marking pheromones 5349.
respiration metabolism 6816.
symbiosis fungi 3757.
- Atta laevigata*,
toxicity insecticides 1017.
- Atta mexicana*,
trail following behaviour, interspecific interactions
Acromyrmex versicolor 3886.
- Atta sexdens*,
castes, division of labour/social organization 3109.
foraging behaviour, division of labour 3108.
- Atta texana*,
natural enemies 1893.
- Atta vollenweideri*,
nest building 6378.
- Attacidae*,
taxonomy 1521.
- Attagenus*,
chemoreceptors, ultrastructure 930.
- Attagenus megatoma*,
development, respiration metabolism 7643.
toxicity fumigants 9290.
toxicity permethrin, eggs 2671.
- Attelabidae*,
genitalia 3446.
- Atteva fabriciella*,
growth regulators, *Santalum album* plant extracts 2728.
- Attidae*,
new species, New Britain 1432.
new species, Papua New Guinea 1431, 1433.
- Attractants*,
see also **Pheromones**
acetates, Lepidoptera 976.
baits, *Synanthedon myopaeformis* 2601.
baits, traps, *Cochliomyia* 3422.
carbon dioxide, olfaction, *Amblyomma* /*Dermacentor variabilis* 5278.
control *Ips typographus* /*Trypodendron lineatum* 1267.
Cruciferae, host selection/host preferences *Pieris* 2857.
Crymodes devastator 5328.
Dendroctonus frontalis /host plants, associated fauna/natural enemies 6049.
Diptera 5327.
(E)-9-dodecen-1-yl formate, biological activity,
Choristoneura fumiferana 262.
drugs effects on *Aedes aegypti* biting behaviour, guinea pigs 2975.
effects on behaviour, *Dendroctonus ponderosae* 2862.
effects on population levels predators, orchards 7882.
Erwinia carotovora infected *Solanum tuberosum*,
Drosophila melanogaster 2864.
Eucelatoria response *Gossypium hirsutum* /*Abelmoschus esculentus*, environmental effects 1137.
feeding, *Apis mellifera* 5532.
fluorophenols, *Costelytra zealandica* 1696.
Gelechiidae/Noctuidae pests, Bolivia 2606.
Gnathotrichus retusus 4443.
Heliothis zea 1706.
host location, *Olesicampe monticola* parasitism *Cephalcia lariciphila* 9229.
host plants, adaptations, Scolytidae 1957.

Attractants,(continued)

host plants volatiles, *Pectinophora gossypiella* 9465.
 host selection, Aphididae 2854.
 host selection, chemical stimuli, *Pegomya betae* 5565.
 inhibitors, (E,E)-9,11-tetradecadienal/Z9,E11-tetradecadienal, *Choristoneura fumiferana* 4440.
 mating disruption, *Cydia pomonella* 4832.
 mating disruption, *Eucosma sonomana* 1252, 1253.
Melissa officinalis volatiles, *Apis mellifera* 2905.
 methodology, Insecta 5979.
Nezara viridula pheromones, *Trichopoda pennipes* 975.
 orientation, *Ceratitis capitata* 9370.
Oryza sativa plant chemicals, Delphacidae 9490.
 phagostimulants, *Sitophilus granarius* 9443.
 pheromone trap, *Popillia japonica* 5233.
Picea sitchensis plant extracts effects on feeding behaviour, *Pissodes strobi* 1128.
Pinus host plants, *Eucosma sonomana* 3781.
 plant extractss *Triticum*, *Trogoderma glabrum* 7511.
 plants chemicals, attraction Insecta, review 1129.
Popillia japonica 9234.
Prunus amygdalus nuts, *Amyelois transitella* 4441.
Raphanus sativus volatiles, oviposition, *Delia brassicae* 2895.
 response, *Adoxophyes orana* 3700.
 response, *Dacus* females 8433.
 response *Dendroctonus frontalis* 4457.
 secretions *Plodia interpunctella*, *Venturia canescens* 987.
 sexual behaviour *Cochliomyia hominivorax* 3693.
 Simuliidae 420.
Solanum melonzena plant chemicals, food selection *Epilachna vigintioctopunctata* 2871.
 11-tetradecenyl acetate, *Yponomeuta* 9233.
 (Z)-11-tetradecenylacetate, *Choristoneura murinana* 979.
 Tortricidae 3225.
 traps, *Glossina* 5229.
 traps, vision, Culicidae 3011.
 wounds Lepidoptera larvae, *Polistes* predation 2915.

Aturidae,
 morphology 6725.

Aturus,
 morphology/taxonomy 6725.

Aturus fontinalis,
 first record, Poland 2211.

Atyotus,
 new records, Canada New Brunswick 1404.
 taxonomy 8200.

Atypidae,
 taxonomy 5818.

Atypus,
 taxonomy 5818.

Auchenorrhyncha,
 community structure, grasslands 5594.

Auckland Is.,
 check lists Chironomidae/Ceratopogonidae 2351.

Audycoptidae,
 taxonomy 3269.

Aulacopone relicta,
 taxonomy 6661.

Aulacorthum,
 new species, India 8229.

Aulacothrips,
 taxonomy/phylogeny 2444.

Aularches punctatus,
 genitalia 8499.

Aulonium,

new species, Neotropical Region 6570.

Auplopus esmeralda,

nesting behaviour 4634.

Aurivillius seydeli,

larvae 5248.

Australia,

Cecidomyiidae pests mushrooms 2096.

check lists Cicindelidae 7232.

fauna/zoogeography Lepidoptera 8082.

first record *Brevennia rehi* 8948.

first record *Ectopsocus richardsi* 150.

geographical distribution, Stenodermi 5797.

geographical distribution *Eriophora* 6556.

Hymenoptera, taxonomy 3372.

new family, Cooloolidae 6692.

new records Aphididae 2255.

new records Hemerobiidae 6687.

new records Scolytoidea 2333.

new species Acari 4151.

new species Anoetidae 6544.

new species Asterolecaniidae 7335.

new species Buprestidae 763.

new species Caeciliidae 6698.

new species Calamoceratidae 155.

new species Cicadellidae 5921.

new species Colletidae 7354.

new species Colydiidae 5850.

new species Corduliidae 5958.

new species Demodicidae 7242.

new species Dermanyssidae 757, 8094, 8095.

new species Drosophilidae 75.

new species Enicocephalidae 2383.

new species Eocoronidae, fossils 6673

new species Geometridae 1518.

new species Hydrachnellae 8966.

new species Hydroptilidae 8294.

new species Hygrobiidae 7287.

new species Hypogastruridae 5119.

new species Lycosidae 3283, 3284, 3285.

new species/new records Asilidae 796.

new species/new records Drosophilidae 1478.

new species/new records Lygaeidae 1493.

new species/new records Thripidae 152.

new species Opiliones 5826.

new species Pergidae 6665.

new species Phytoseiidae 10, 11.

new species Platypodidae/Scolytidae 2333.

new species Plecoptera 7402.

new species Polycentropidae 6706.

new species Pompilidae 8252.

new species Pseudococcidae 5152.

new species Psyllidae 7348.

new species/revision Pyrgomorphidae 8291.

new species Scarabaeidae 5865.

new species Scenopinidae 78.

new species Scolytidae/Platypodidae 4182.

new species Tephritidae 8202.

new species Trombiculidae 4164.

new species Unionicolidae 2287.

new species Veliidae 3365.

Plasmodium vectors, *Anopheles farauti* 4770.

revision *Leaiopria* 1507.

revision *Stethorus* 1446.

zoogeography Sepsidae 724.

Australia New South Wales,

check lists/ecology Coleoptera 8947.

Australia New South Wales,(continued)

check lists Papilionoidea 8083.

Australia Northern Territory,

ecology/fauna Formicidae, grasslands 3822.

new records *Dacus cucumis* 8081.

Australia Queensland,

check lists Scolytidae/Platypodidae 4182.

chemical control *Boophilus microplus* 1215.

new records Lycaenidae 7233.

pest control Acari, cattle 1214, 1216.

pest status *Cryptolestes*, stored products 3064.

pesticide resistance, *Lucilia cuprina* 1009.

species composition, Araneae 7793.

Australia Victoria,

Philopstylus cuniculi parasitism rabbits, introduced species 3923.

Australian Region,

new species Brentidae 2302.

new species Curculionidae 8138.

new species Hippoboscidae 6613.

new species Lucanidae 2325.

revision *Diceropyga* 1502.

revision *Liparochrus* 6580.

revision *Platypria* 46.

revision Mictini 5134.

streams, Insecta, zoogeography 5038.

Australophya rostrata,

eggs/larvae 191.

Australostolus,

new genus, Australia 2383.

Austria,

pine environments, new species/check lists Braconidae 8244.

check lists/pest status Simuliidae 8699.

distribution Epermeniidae/Schreckensteiniidae 9735.

new records *Ethmia* 8043.

new species Curculionidae 8139.

new species Forficulidae 1466.

new species Mycetophilidae 5126.

new species/new records Scutacaridae 8970.

new species Phthiracaridae 3276.

new species Salticidae 4168.

new species Sarcophagidae 804.

new species Staphylinidae 3333.

new species Tipulidae 9059.

sympatric populations *Chamaesphexia* 9529.

Austria Obergurgl,

pine environments, biomass/species composition/

abundance Arthropoda 1171.

pine environments, phenology/community composition

Oribatei 3841.

Austria Tyrol,

Isch Valley, check lists Coleoptera 9727.

new records Diplopoda 8926.

new records Microlepidoptera 9740.

new species/zoogeography Sphaeroceridae 6625.

pest status, *Diprion pini* 8760.

Austroagallia,

taxonomy 7341.

Austroasca,

new species, Pakistan 7345.

Austrocaecilius,

new genus, Australia 6698.

Austrodamaeus,

new genus, Paraguay 6541, 8089.

Austroperilidae,

taxonomy 4299.

Austropsopillo,

new species, Australia 5826.

Autographa,

population levels, seasonal variations 7807.

Autographa californica,

cell culture, nuclear polyhedrosis virus 992.

cell lines, transfection *Spodoptera frugiperda* /*Trichoplusia*

ni nuclear polyhedrosis virus DNA 4501.

nuclear polyhedrosis virus 3583, 8461.

nuclear polyhedrosis virus, assays 9130.

nuclear polyhedrosis virus, infection *Estigmene acrea* 5361.

nuclear polyhedrosis virus, pathology 5372.

Autographa gamma,

calling behaviour, circadian rhythms 5447.

Automeris io,

larvae, dermatitis, man 2011.

Auxins,

metabolism, *Lygus disponsi* 3531.

Avenzoariidae,

new species, Ethiopian Region 7.

Avermectins,

22,23-dihydroavermectin B, toxicity, *Haematopinus suis* 2658.

Axiidae,

review/check lists, Iberian Peninsula 693.

revision/check lists, Iberian Peninsula 1381.

Azilia,

revision, Nearctic Region 1430.

Azinphos-methyl,

control *Anthonomus grandis* 1226.

pesticide resistance, *Phyllonorycter blancardella*, Canada Ontario 2674.

Azorastia,

new species, Greece/Tunisia/Yugoslavia 8175.

Azores,

check lists/new records Cicadellidae 7238.

new species Ichneumonidae 5171.

new species Psyllidae 5154.

Azya,

taxonomy 4199.

Azygophleps albovitata,

morphology/pest status, Nigeria 2470.

Azyini,

revision 4199.

Bacanius,

new species, Oriental Region 7285.

Bacillus sphaericus,

bacteria, *Culex* 6089.

Bacotia,

new species, Japan 8273.

Bacteria,

+ viruses, mixed infection, pathology, Noctuidae 8452.

Aerobacter aerogenes /*Proteus mirabilis*, mixed infection,

pathogenicity, *Boarmia selenaria* 288.

Bacillus, biological control Culicidae 7063.

Bacillus, pathogenicity, *Culex restuans* 7558.

Bacillus, pest control, forests 7094.

Bacillus popilliae, pathogenicity, *Lepidoptera stigma* /

Leucopholis rorida 5370.

Bacillus popilliae, susceptibility, Scarabaeidae larvae 3100.

Bacillus /*Pseudomonas*, infection, *Sitophilus zeamais* 5541.

Bacillus sphaericus, biological control Culicidae 3900, 4816,

Bacteria,(continued)

7844.
Bacillus sphaericus , pathogenicity, *Culex pipiens* larvae 3584.
Bacillus sphaericus , pathogenicity, Culicidae 8454.
Bacillus sphaericus , spores, toxicity, *Anopheles stephensi* 4512.
Bacillus sphaericus , toxins, Culicidae 4500.
Bacillus thuringiensis , + insecticides, toxicity, *Spodoptera frugiperda* 6854.
Bacillus thuringiensis , + pyrethroids, control *Operophtera brumata* /*Tortrix viridana* 8738.
Bacillus thuringiensis + chlordimeform, control *Heliothis* 3956.
Bacillus thuringiensis , biological control *Plodia interpunctella* /*Ephestia cautella* 1222.
Bacillus thuringiensis , biological control *Rachiplusia nu* 2079.
Bacillus thuringiensis , biological control Culicidae 2978.
Bacillus thuringiensis , biological control stored products pests 3034.
Bacillus thuringiensis , biological control *Lymantria dispar* , Italy 3083.
Bacillus thuringiensis , biological control Simuliidae 3908.
Bacillus thuringiensis , biological control Simuliidae/ pollution effects 5667.
Bacillus thuringiensis , biological control *Choristoneura fumiferana* 6363.
Bacillus thuringiensis , biological control *Aedes* 7061.
Bacillus thuringiensis , biological control *Diatraea saccharalis* 7073.
Bacillus thuringiensis , biological control *Malacosoma* 7085.
Bacillus thuringiensis , biological control Culicidae 8714, 9579.
Bacillus thuringiensis , control *Heliothis zea* 3056.
Bacillus thuringiensis , control *Heliothis virescens* 3103.
Bacillus thuringiensis , control *Leucoma wiltshirei* 7832.
Bacillus thuringiensis , control *Plutella xylostella* / *Trichoplusia ni* 9622.
Bacillus thuringiensis , effects on calcium/potassium levels, Insecta 2648.
Bacillus thuringiensis , histopathology midgut, *Ephestia cautella* /*Plodia interpunctella* 7549.
Bacillus thuringiensis , insecticides, toxicity, *Culex pipiens* 7567.
Bacillus thuringiensis , integrated control *Diatraea saccharalis* 7083.
Bacillus thuringiensis , pathogenicity, *Aedes aegypti* 3594.
Bacillus thuringiensis , pathogenicity, Culicidae 4494.
Bacillus thuringiensis , pathogenicity, *Trichogramma cacoeciae* /*Apis mellifera* 2641.
Bacillus thuringiensis , susceptibility Lepidoptera larvae 9265.
Bacillus thuringiensis , toxicity, *Adoxophyes orana* 6865.
Bacillus thuringiensis , toxicity, *Aedes* 5379.
Bacillus thuringiensis , toxicity, *Aedes aegypti* 8456.
Bacillus thuringiensis , toxicity, *Anopheles stephensi* /*Culex pipiens* + nontarget organisms 7563.
Bacillus thuringiensis , toxicity, *Trichoplusia ni* 6856.
Bacillus thuringiensis , toxicity *Agrotis ipsilon* /*Musca domestica* 301.
Bacillus thuringiensis , toxicity *Anopheles albimanus* /*Culex quinquefasciatus* 6870.
Bacillus thuringiensis , toxins, toxicity Lepidoptera 7569.
Bacillus thuringiensis activity, bioassays, *Orgyia pseudotsugata* 2644.
Bacillus thuringiensis biological control *Phthorimaea operculella* 4827.
Bacillus thuringiensis control *Ephestia cautella* /*Plodia interpunctella* 3074.
Bacillus thuringiensis control *Phryganidia californica* 2066.
Bacillus thuringiensis control *Psorophora columbiae* 1202.
Bacillus thuringiensis endotoxins, effects on potassium transport, *Manduca sexta* 3557.
Bacillus thuringiensis endotoxins, toxicity, *Bombyx mori* 995.
Bacillus thuringiensis insecticides, biological control *Ichthyura anastomosis* 3052.
Bacillus thuringiensis /*Micrococcus luteus* , biological control *Tribolium* /*Callosobruchus chinensis* 1249.
Bacillus thuringiensis pathology *Manduca sexta* 1000.
Bacillus thuringiensis toxicity, *Ephestia cautella* /*Plodia interpunctella* 1753.
Bombyx mori endotoxins effects on midgut, *Bombyx mori* 2649.
Borrelia , vectors, *Ornithodoros* 8726.
Chlamydia , transmission, *Ornithodoros coriaceus* 3010.
Chlamydia trachomatis , vectors, *Musca domestica* 8727.
control pests Insecta, review 1254.
Eperythrozoon ovis , transmission, *Culex annulirostris* 7056.
Erwinia carotovora infected *Solanum tuberosum* , attractants, iDrosophila melanogaster 2864.
food Simuliidae larvae 2824.
gut, *Eublaberus posticus* 8393.
gut microflora, *Acheta domestica* 4663.
gut microflora, *Reticulitermes flavipes* 1925.
gut microflora, *Tipula abdominalis* larvae 1924.
isolation, *Argas persicus* 5648.
metabolites, absorption, *Periplaneta americana* 4393.
mutualism, gut, *Rhizopertha dominica* 5542.
Rhizobium leguminosarum , assimilation, *Sitona lineatus* 9195.
Salmonella enteritidis , transmission, *Blattella germanica* 5655.
Serratia marcescens , immunology, *Anthonomus grandis* 1748.
Serratia marcescens , pathology, *Orthaga euadrusalis* 6849.
Xenorhabdus luminescens , + *Heterorhabditis bacteriophora* , pathology *Schizura concinna* 283.
Xenorhabdus luminescens , + *Heterorhabditis bacteriophora* , pathology *Galleria mellonella* 284.
Bactericides,
phytobacteriomycin, toxicity, *Culex pipiens* 298.
Bactra verutana,
immature stages, feeding/humidity effects on 9433.
Bactroceps,
taxonomy 23.
Baculentulus,
new species, Seychelles 2440.
Badonnella titi,
new records, British Isles 3191.
Baocera,
new species, Fiji 2330.
new species, New Ireland 6589.
Baetidae,
check lists/new species, Zaire 3362.
development 8487.
ecology 2114.
eggs 7434.
feeding 3754.
habitats 7921.
larvae 2488.
life cycles 2793, 9659.
metabolism 6797.

Baetidae, (continued)

- new records, Finland 8034.
 new records, Germany, Fed. Rep. 9731.
 new species, Argentina 9061.
 new species, China, People's Rep. 5902.
 new species, Lebanon/Syria 8205.
 new species, Malaysia 5899.
 new species, USSR 4243, 5900, 5901.
 population dynamics 3867.
 populations 2111, 5721, 7119.
 predation 3755.
 taxonomy 2378.
- Baetis**,
 chorion ultrastructure 7434.
 drift, streams 7921.
 new species, Lebanon/Syria 8205.
 new species, USSR 4243, 5900, 5901.
 new species, Zaire 3362.
 populations, secondary production, mathematical models 2111.
 vertical distribution, drift, rivers 7119.
- Baetis digitalis**,
 first record, Germany, Fed. Rep. 9731.
- Baetis digitatus**,
 first record, Finland 8034.
- Baetis flavistriga**,
 drift, streams 5721.
- Baetis intercalaris**,
 competition, niche overlap 2114.
- Baetis rhodani**,
 occurrence/population dynamics, Lune R., British Isles 3867.
 predation 3755.
- Bahama Is. San Salvador**,
 check lists Lepidoptera 5761.
- Bajauna**,
 taxonomy 6644.
- Bakericheyla**,
 new species, Cameroon (United Rep.). 5050.
- Baldulus tripsaci**,
 transmission maize rayado fine virus 1951.
- Balearic Is.**,
 check lists Trichoptera 6703.
 new records Geometridae 9722.
 new species Tenebrionidae 5875.
- Balearic Is. Majorca**,
 check lists Geometridae 9722.
 new species/new records Psyllidae 7349.
- Balfouria**,
 taxonomy 2359.
- Balustreptus**,
 new genus 870.
- Bambara**,
 evolution, reproductive systems 7581.
- Bambusiphaga**,
 new species, China, People's Rep. 91.
- Bangladesh**,
 life cycles, *Corcyra cephalonica* 9332.
 new species Cicindelidae 48.
- Baptia candidaria**,
 taxonomy 5187.
- Barathra brassicae**,
 diapause, environmental factors 8515.
 nuclear polyhedrosis virus replication 3590.
 photoperiod effects on diapause, physiology, mechanisms 2746.
- Barberiella formicoides**,
 host plants/life cycles 8594.
- Baregonalis canadensis**,
 parasitism *Vespa* 8615.
- Barypeithes**,
 new species, Austria 8139.
- Basilobelbidae**,
 new species, India 3270.
- Bathyaulax**,
 taxonomy 9077.
- Bathycocelia thalassina**,
 dispersal/flight activity, host location 1156.
 mating/oviposition 1862.
- Bathycranium**,
 thorax sclerites, taxonomic significance 2360.
- Bathyplectes**,
 geographical distribution, Iran/Iraq/Egypt, Arab Rep. 8020.
 reproductive systems, ultrastructure 4526.
- Bathyplectes anurus**,
 immature stages/development 3438.
- Bathyplectes curculionis**,
 integrated control, mathematical models 4817.
 populations, grazing effects on, *Medicago sativa* crop fields 491.
- Batocera rufomaculata**,
 chemical control 3043.
- Batracomorphus**,
 new species, India 1499.
- Batriskoconnus**,
 new species, Tanzania 5107.
- Battus philenor**,
 feeding effects on *Aristolochia reticulata* reproductive success 4686.
 host plants selection 8630.
 oviposition host selection, evolution 1060.
- Baudia**,
 revision, Europe 8148.
- BAY SIR 6874**,
 chitin biosynthesis inhibition, Insecta 922.
- BAY SIR 8514**,
 chitin biosynthesis inhibition, Insecta 922.
- Bdellonyssus bursa**,
 parasitism chickens/guineafowl 4773.
- Beamerella**,
 taxonomy/phylogeny 811.
- Behaviour**,
 activity *Aphodius tasmaniae* larvae, photography 3418.
 activity patterns, magnetic fields, *Apis mellifera* 5470.
Adoryphorus couloni 8599.
 aggregation, circadian rhythms sheltering behaviour, *Blattella germanica* 7695.
 aggregation, *Colias eurytheme* 387.
 aggregation, environmental factors, *Aedes stimulans* 7112.
 aggregation, *Pinus contorta* stands, *Dendroctonus ponderosae*, mathematical models 1903.
 aggregation behaviour, attractants, *Trogoderma glabrum* 7511.
 aggregation behaviour, *Boophilus microplus* 2810.
 aggregation behaviour, *Calosoma frigidum* 7721.
 aggregation behaviour, survival, *Neodiprion sertifer* larvae 8577.
 aggregation behaviour/feeding behaviour, Alydinae 458.
 aggregation behaviour/food preferences, *Odontotermes obesus* 6060.
 aggregation behaviour/foraging behaviour/territorial behaviour, *Plectrocnemia conspersa* larvae 372.
 aggregation behaviour/foraging behaviour, Gyrinidae 5476.

Behaviour, (continued)

- aggregation behaviour/host searching behaviour, *Rhipicephalus pulchellus* 1878.
- aggregation/feeding, *Orthemis ferruginea* 5512.
- aggregation/mating, Cicadidae 3738.
- aggregation pheromone response, *Argas cooleyi* / *Ornithodoros concanensis* 9230.
- aggression/mating, reproductive success, *Bolitotherus cornutus* 8553.
- aggression/territorial behaviour *Leptothea galbula* 360.
- aggressive behaviour, behavioural genetics, *Apis mellifera* 3161.
- aggressive behaviour, *Phidippus johnsoni* males 5454.
- agonistic behaviour, crowding/pheromones effects on, *Tetranychus urticae* 9436.
- agonistic behaviour, *Gromphadorhina porientosa* / *Supella longipalpa* 7722.
- agonistic behaviour, *Periplaneta americana* 3712.
- alarm behaviour, *Acyrtosiphon pisum* 8604.
- alarm behaviour, alarm pheromone, behavioural genetics, *Apis mellifera* 633.
- alarm behaviour, role olfaction/vision, Formicidae attack, *Protopolybia exigua* 2821.
- alarm behaviour, *Trigona fulviventris* 1071.
- alarm pheromone response, age effects, *Apis mellifera* 2602.
- Anartia* 2435.
- anti-predator behaviour, Ephemeroptera 5724.
- anti-predator behaviour, Lycaenidae, review 5501.
- anti-predator behaviour, *Rhagoletia obesa* 4657.
- anti-predator behaviour, stridulation, *Odontotaenius disjunctus* 9374.
- anti-predator behaviour, ultrasound, Lepidoptera 8605.
- anti-predator behaviour/aggregation behaviour, *Halobates robustus* 3748.
- anti-predator behaviour/foraging behaviour, *Notonecta hoffmanni* 5515.
- Antipodochlora braueri* 6299.
- attack/foraging behaviour, use defence secretions, Tenebrionidae 1917.
- attractants/*Pinus contorta* effects on, *Dendroctonus ponderosae* 2862.
- auditory communication, *Platyteleis albopunctata* 9373.
- avoidance behaviour, magnetic fields, *Acromyrmex octospinosus* 7910.
- avoidance behaviour, radiation (u.v.), *Tetranychus urticae* 4607.
- behavioural genetics, genetic control *Stomoxys calcitrans* / *Musca autumnalis* 4775.
- behavioural genetics, mate selection, *Colias* hybrids 3159.
- behavioural genetics, *Musca domestica* 8859.
- behavioural genetics, swarming behaviour, enzyme polymorphism effects on, *Leptophlebia marginata* 3160.
- behavioural genetics, umber mutant/brick mutant, *Apis mellifera* 4939.
- behavioural genetics, yellow gene mutants, *Drosophila melanogaster* 4944.
- biting behaviour, circadian rhythms, *Armigeres subalbatus* 3489.
- biting behaviour, insecticides effects on, *Simulium damnosum* 8722.
- biting behaviour, juvenile hormones effects on, *Culex* 3709.
- biting behaviour/reproductive status, *Stomoxys calcitrans* 5580.
- biting/flight activity, diel variations, *Culicoides phlebotomus* 8435.
- Bubas bubalus* larvae 4632.
- burrowing behaviour, sediments, Chironomidae larvae 7108.
- burrowing behaviour/activity patterns, *Urodacus yaschenko* 5511.
- burrowing behaviour/foraging behaviour, *Ammotrechula penninsulana* 4645.
- burrowing behaviour/nesting behaviour, *Sphex ichneumoneus* 1087.
- calling behaviour, circadian rhythms, *Autographa gamma* 5447.
- calling behaviour/response, sex pheromone, *Spodoptera exigua* 9223.
- calling behaviour *Trogoderma granarium* 8554.
- cannibalism, *Polistes* 9400.
- carbon dioxide effects on, *Haemaphysalis longicornis* 5472.
- case construction, *Potamophylax cingulatus* 4651.
- Cicindela ancocisconensis* 3721.
- cleptoparasitism, *Aphodius rufipes* on *Geotrupes spiniger* 1120.
- cocoons formation, *Gymnodia ruficornis* 4618.
- cocoons spinning, sensory stimuli/hormones, *Ephesia kuehniella* 6189.
- colonies formation, *Bombus atratus* 7711.
- communication, *Polistes metricus* nests 7677.
- communication/orientation, *Apis* 7676.
- competition/mutualism, *Camponotus femoratus* / *Monacis debilis* - iCrematogaster 9551.
- coordination, *Symydobius oblongus* / *Formica lugubris* 4662.
- courtship, auditory communication/speciation, *Chrysopa* 2754.
- courtship, behavioural genetics, *Drosophila melanogaster* 2174.
- courtship, behavioural genetics, *Drosophila* hybrids 7157.
- courtship, behavioural genetics, *Drosophila melanogaster* 9695.
- courtship, *Calliphora vomitoria* 6926.
- courtship, *Diaeretiella rapae* 8555.
- courtship, *Drosophila* 6919.
- courtship, *Nasonia vitripennis* 6918.
- courtship, *Phidippus johnsoni* 9367.
- courtship, *Scolytus multistriatus* 2755.
- courtship, sex pheromone, *Drosophila melanogaster* 6050.
- courtship, sex pheromone effects on, *Drosophila* 8557.
- courtship, sound production, *Drosophila* 2767.
- courtship, sound production, *Leptophyes punctatissima* 368.
- courtship, substrates vibratory stimuli, *Chrysopa carnea* 8568.
- courtship behaviour, *Drosophila melanogaster* 7661.
- courtship disruption, sex pheromone, *Spodoptera littoralis* 5422.
- courtship/mating, Araneidae 351.
- courtship/mating, Chalcidoidea 3687.
- courtship/mating, *Nemophora degeerella* 8556.
- courtship/mating, *Spodoptera littoralis* 3685.
- courtship/mating behaviour, flashing, *Pteroptyx tener* 6917.
- courtship/mating/lek behaviour, *Xylocopa varipuncta* 7655.
- courtship/mating/oviposition, *Spilochalcis albifrons* 2835.
- courtship/oviposition, *Achrysocharoides* 4584.
- courtship song variation, behavioural genetics, *Drosophila mercatorum* 7159.
- Cruciferae allelopathy effects on, Insecta 4691.
- defensive behaviour, Arctiidae 6208.
- defensive behaviour, development/sex differences, *Astroma riojanum* 9435.
- defensive behaviour, *Extatosome tiaratum* 6210.
- defensive behaviour, *Goniaea* 2822.
- defensive behaviour, *Latrodectus hesperus* 6209.
- defensive behaviour, *Periplaneta* 6956.
- defensive behaviour, social interactions, *Rubrica nasuta*

Behaviour, (continued)

3749.
defensive behaviour/adaptations, *Scymnodes lividigaster* 4658.
diel activity, *Eudictoria tibialis* 8579.
diel activity/locomotion, *Cicindela pilosipes* 7016.
diel periodicity, feeding, *Potamanthus myops* 414.
diel variations, feeding, *Epilachna chrysomelina* 9385.
dispersal, alatae/apterae larvae, *Aphis fabae* 5574.
dispersal, *Cydia pomonella* 5577.
dispersal, trail following behaviour, Vespidae 8782.
dispersal activity, diel variations, *Nezara viridula* 2776.
dispersal/habitat selection, *Drosophila subobscura* 9537.
dispersal/mating, *Acanthoscelides obtectus* 8563.
dispersal/migration, *Chrysopa carnea* 6264.
dispersal/spatial distribution, stridulation, *Neoconocephalus nebrascensis* 8600.
diving behaviour, thermoregulatory behaviour, *Gerris* 2120.
division of labour/social organization, *Atta sexdens* castes 3109.
drumming behaviour, *Isoperla* 7689.
eggs-cocoons construction/oviposition, *Nephila clavipes* 4586.
emergence, *Diplazon pectoratorius* 6225.
emergence, physiology, *Hyalophora cecropia* 9187.
emergence, *Pontomyia* 5508.
emergence, sex differences, *Megaselia scalaris* 8587.
emergence/habitat selection, *Dendroctonus ponderosae* 5489.
environmental effects/genetic factors, variation, Insecta 634.
environmental stress, *Varroa jacobsoni* 6180.
Epicauta 6186.
feeding, chemical stimuli, *Oxyrhachis tarandus* 6968.
feeding, Chironomidae 6211.
feeding, *Coleophora siccifolia* larvae 6217.
feeding, *Halticotoma valida* 4146.
feeding, phagostimulants, Acrididae 6218.
feeding, Satyridae 6964.
feeding, sugars effects on, *Empoasca fabae* 7516.
feeding, Tabanidae 5642.
feeding, Tettigoniidae 6280.
feeding, *Thereva nobilitata* 6214.
feeding, *Wiseana* larvae 3753.
feeding/aggregation behaviour, *Halobates robustus* 6942.
feeding attractants, *Apis mellifera* 5532.
feeding behaviour, chemical stimuli, *Culiseta inornata* 9439.
feeding behaviour, *Cnaphalocrocis medinalis* 7723.
feeding behaviour, Graminae flowers, Lepidoptera 5573.
feeding behaviour, *Pardosa sternalis* 9116.
feeding behaviour, pollen, *Heliconius* 6966.
feeding behaviour, Simuliidae larvae 2827.
feeding behaviour, *Sitophilus granarius* 9443.
feeding behaviour/food preferences, mycophagy, *Aphaenogaster* 9442.
feeding behaviour/foraging behaviour/mating behaviour, *Proctacanthella leucopogon* 9388.
feeding behaviour/foraging behaviour/social organization, *Mastotermes darwiniensis* 9654.
feeding behaviour/reproductive behaviour, *Aponomma hydrosauri* 8559.
feeding/host selection/oviposition, *Culex quinquefasciatus* 8602.
feeding/mating, *Tetragnatha extensa* 4622.
feeding/oviposition, *Panicum miliaceum* Insecta pests 9476.
feeding/oviposition *Pseudophilotes* 3878.
feeding/oviposition site selection, *Diaphania nitidalis* 9489.
feeding rates, *Simulium* 8607.
feeding site selection, *Culicoides* /*Lasiohelea* 8712.
feeding threshold, taste, *Phormia regina* 4379.
flight, altitude/seasonal variations, Cimicoidea 9430.
flight, altitude/seasonal variations, Coreoidea 9424.
flight, altitude/seasonal variations, Reduvioidea 9425.
flight, *Chrysopa carnea* 2907.
flight, diel activity/seasonal variations, *Euxoa* 5280.
flight, hormones regulation, *Hippodamia convergens* 225.
flight, *Nilaparvata lugens* 6021.
flight, role sense organs, *Apis mellifera* 9173.
flight, take-off, radiation, *Schistocerca gregaria* 6751.
flight, visual stimuli, *Musca domestica* 4375.
flight activity, Carabidae 4708.
flight activity, DDT effects on, *Anopheles atroparvus* 371.
flight activity, diel variations, *Musca domestica* 6938.
flight activity, early experience-crowding, *Schistocerca gregaria* 6778.
flight activity, measuring techniques, Insecta 8310.
flight activity, *Nuculaspis californica* 9399.
flight activity, radiation (γ)/rearing effects on, *Anastrepha suspensa* 9392.
flight activity, rainfall effects on, *Phyllophaga crinita* 1876.
flight activity, temperature effects, *Glossina morsitans* 6752.
flight/attractants/biting behaviour, *Prosimulium mixtum* / *Simulium venustum* 420.
flight/mating/oviposition, *Gasterophilus intestinalis* 5517.
flight/migration, geographical variation, *Tetraopes tetraophthalmus* 5494.
flight orientation, *Drosophila melanogaster* 4350.
flight orientation/spatial distribution, visual stimuli 9411.
food preferences, *Apis mellifera* 9445.
food preferences, *Arachis hypogaea* host plants, *Tetranychus urticae* 6283.
food preferences, *Heliothis zea* 6960.
food preferences, *Lytogaster excavata* 9382.
food preferences, Myxomycotina, Coleoptera 8606.
food preferences, nutrition effects on, *Phormia regina* 6022.
food preferences, pasture plants, *Teleogryllus commodus* 6239.
food preferences, sugars, larvae/adults, *Drosophila melanogaster* 5531.
food selection, plant chemicals role, Acrididae 9438.
food selection, Simuliidae 6873.
food selection, *Stictochironomus annulicrus* 8608.
foraging, diel variations, *Malacosoma americanum* 4609.
foraging behaviour, *Apis* /Lepidoptera 4702.
foraging behaviour, *Apis mellifera* 4679.
foraging behaviour, *Apochthonius minimus* 9541.
foraging behaviour, *Araneus trifolium* /*Argiope trifasciata* 6216.
foraging behaviour, behavioural genetics, *Drosophila melanogaster* 4942.
foraging behaviour, *Bombus* 9390.
foraging behaviour, bone, *Messor barbarus* 7688.
foraging behaviour, circadian rhythms, *Pyrus* flowers, *Apis* 2807.
foraging behaviour, cleptoparasitism, *Bengalia* 9391.
foraging behaviour, competition, *Apis mellifera* /*Melipona* /*Trigona* 4623.
foraging behaviour, division of labour, *Atta sexdens* 3108.
foraging behaviour, effects on abundance/species diversity Arthropoda, *Formica lugubris* 9516.
foraging behaviour, energetics, *Bombus* 1098.
foraging behaviour, flowers, *Tenthredo* 5528.
foraging behaviour, food availability/temperature effects, *Novomessor cockerelli* 9393.
foraging behaviour, *Geum radicum* . *Chrysotus* /*Hylemya aestiva* 4699.

Behaviour.(continued)

- foraging behaviour, Hymenoptera 8642.
 foraging behaviour, learning, *Bombus* 1890.
 foraging behaviour, mathematical models, *Chrysopa carnea* 9396.
 foraging behaviour, *Megachile analis* 9408.
 foraging behaviour, *Myrmecocystus* 9500.
 foraging behaviour, orientation, *Anthocoris nemorum* 5465.
 foraging behaviour, orientation, chemical stimuli/visual stimuli, *Formica polyctena* 7673.
 foraging behaviour, *Orius tricolor* 7714.
 foraging behaviour, *Paraponera clavata* 392.
 foraging behaviour, pesticides effects on, *Apis mellifera* 7099.
 foraging behaviour, *Phytoseiulus persimilis* 9543.
 foraging behaviour, *Potentilla* flowers, Insecta 6220.
 foraging behaviour, relationship metabolic rate, Loxoscelidae 4626.
 foraging behaviour, resource partitioning, Formicidae 4625.
 foraging behaviour, resource utilization, *Bombus* 453.
 foraging behaviour, social behaviour, communication, *Myrmica rubra* /*Tetramorium caespitum* 6178.
 foraging behaviour, social interactions, *Atta* 7907.
 foraging behaviour, social organization, *Polistes metricus* 7906.
 foraging behaviour, social organization, Formicidae 7909.
 foraging behaviour, social organization, *Formica rufa* 9418.
 foraging behaviour, trails, *Formica lugubris* 9420.
 foraging behaviour *Apis mellifera* 2873.
 foraging behaviour/food selection, *Eudiectria tibialis* 8580.
 foraging behaviour Formicidae, tropical agricultural ecosystems 2057.
 foraging behaviour/home range, *Polistes chinensis* 9378.
 foraging behaviour *Notonecta* 5485.
 foraging behaviour/orientation, chemical stimuli, *Apis mellifera* 9372.
 foraging behaviour *Plectrocnemia conspersa* 4624.
 foraging behaviour/pollination, Andrenidae/Halictidae 8637.
 foraging behaviour/pollination, Halictidae 7772.
 foraging behaviour/pollination *Helianthus annuus*, *Apis mellifera* 7763.
 foraging behaviour/pollination *Passiflora*, *Xylocopa mordax* 6255.
 foraging behaviour/Pollination *Trifolium pratense*, *Osmia coerulescens* 8623.
 foraging behaviour/recruitment, *Nasutitermes costalis* 9644.
 foraging behaviour/social behaviour, *Apis mellifera* 8569.
 foraging behaviour/social behaviour, *Myrmica* 2769.
 foraging behaviour/symbiotic behaviour, Formicidae 8611.
 foraging behaviour/trail following behaviour, *Pheidole militica* 9394.
 foraging/mating/nesting behaviour, *Melissodes persimilis* 4643.
 geotaxis/phototaxis, *Drosophila* 5463.
 grooming, analysis, *Scutigera coleoptrata* 1088.
 grooming, role compound eyes sensilla, *Sphodromantis lineola* 8378.
 grooming behaviour, role gnathocoxal gland, Araneae 2630.
 gut eversion, Chaoboridae 1658.
 habitat selection, ethanol effects on, *Drosophila* 6183.
Heliconius xanthocles 3839.
Heliopsis armigera larvae 2777.
 host location, dispersal, *flight* 1156.
 host location, *Pholeomyia texensis* 1893.
 host location, role flight, *Glossina* 1889.
 host location mechanisms, *Coccylomimus turionellae* 2833.
 host plants selection, Insecta 9479.
 host plants selection, seasonal variations, *Battus philenor* 8630.
 host plants selection/migration, *Rhynchaenus fagi* 9429.
 host preferences, *Ips paraconfusus* 5559.
 host preferences, seasonal variations, *Elasmucha grisea* 7775.
 host searching behaviour, *Biosteres longicaudatus* 6974.
 host searching behaviour, diel variations, *Leptocoris chinensis* 4688.
 host searching behaviour, feeding/oogenesis effects on, *Aedes aegypti* 4376.
 host searching behaviour, mathematical models, *Nemeritis canescens* 6233.
 host searching behaviour, *Nemeritis canescens* 1926.
 host searching behaviour, olfactory stimuli, Hymenoptera-Syrphidae 4669.
 host searching behaviour, role carbon dioxide, Culicidae 5464.
 host searching behaviour, *Trioxys indicus* 6983.
 host searching behaviour *Mansonina* 935.
 host selection, *Abies grandis*, *Nosodendron californicum* 7754.
 host selection, *Aedes sierrensis* 527.
 host selection, annual variations, *Trirhabda* 9477.
 host selection, *Compsilura concinnata* 7739.
 host selection, *Culicoides* 1124.
 host selection, *Dendroctonus frontalis* 9379.
 host selection, early experience, *Heliothis armigera* 9488.
 host selection, eggs coloration, Pieridae 7665.
 host selection, *Hercinothrips femoralis* 6351.
 host selection, *Ips grandicollis* 8622.
 host selection, odour/visual stimuli role, *Glossina* 2991.
 host selection, oviposition, *Pieris rapae* 1944.
 host selection, oviposition *Pieris rapae* 1822.
 host selection, parasitoids, review 1118.
 host selection, polymorphism effects on, *Adelges cooleyi* 7758.
 host selection, Scolytidae 9480.
 host selection, seasonal variations 5544.
 host selection behaviour, *Unionicola formosa* symbiosis Anodonta imbecilis 7728.
 host selection/pollination, *Apis mellifera* 5558.
 host selection *Scaphytopius acutus* 1147.
 host selection Simuliidae/Tabanidae 437.
 humidity preferences/temperature preferences, *Brachymeria* 1072.
 infestations *Apis mellifera* colonies, *Galleria mellonella* 7694.
 initiation migration, *Neivamyrmex nigrescens* 9498.
 insecticides effects on, Formicidae 1005.
 interspecific interactions, use photography, Simuliidae 8787.
 Ithomiinae association *Eciton burchelli* 5477.
 jumping, light intensity effects on, behavioural genetics, *Drosophila melanogaster* 3158.
 larviposition site selection, *Glossina morsitans* 7656.
 learning, *Apis mellifera* 3707.
 learning host selection, *Trichogramma embryophagum* parasitism *Ephestia kuehniella* 3762.
 locomotion, nerves, *Periplaneta americana* 5259.
 locomotion/orientation, undergrowth effects on, *Aradus cinnamomeus* 8578.
 locomotor activity, Carabidae, Canada Quebec 1907.
 locomotor activity, feeding effects on, *Locusta migratoria* 4378.
 locomotor activity, measuring techniques, *Anthonomus grandis* 9113.
 locomotor activity, *Sitophilus zeamais* /*Sitotroga cerealella* 7701.

Behaviour, (continued)

- locomotor activity/mating, behavioural genetics, ebony mutant, *Drosophila melanogaster* 7974.
- Malus* odours effects on, *Cydia pomonella* 6257.
- Manduca sexta* larvae 1020.
- mate selection, evolution, *Drosophila* 7173.
- mate selection, genotypes, *Drosophila melanogaster* 4078.
- mate selection, *Scatophaga stercoraria* 6171.
- mate selection/reproductive isolation, Tiphidae 5455.
- maternal behaviour, Araneae, review 3686.
- maternal behaviour, Dermaptera, review 3689.
- maternal behaviour, *Euscorpius carpathicus* 3691.
- mating, Apoidea, review 1059.
- mating, behavioural genetics, *Drosophila subobscura* 4585.
- mating, *Ceratitis capitata* 8561.
- mating, circadian rhythms, *Nomadopsis puellae* 3695.
- mating, *Colletes thoracicus* 5451.
- mating, competitive behaviour, behavioural genetics, *Ceratitis capitata* 5746.
- mating, *Dacus cucurbitae* 6175.
- mating, *Diacrisia obliqua* 5452.
- mating, *Dichocrocis punctiferalis* 4591.
- mating, effects on sex pheromone response, *Sitotroga cerealella* 6054.
- mating, *Efferia frewingi* 8564.
- mating, *Ephestia kuehniella* 6170.
- mating, humidity/temperature effects, *Chilo suppressalis* 2730.
- mating, *Mallota posticata* 5450.
- mating, *Megaselia halterata* 4518.
- mating, *Oecanthus nigricornis* 6177.
- mating, pheromones effects on, *Choristoneura fumiferana* 8558.
- mating, *Pieris rapae* 7657.
- mating, *Poecillocerus pictus* 4589.
- mating, radiation (γ) effects on, *Culex tarsalis* 9362.
- mating, *Rhagoletis pomonella* 7659.
- mating, survival, predative effects on, *Diaperomera veliei* 7654.
- mating, *Tapinocyba insecta* 9305.
- mating, visual stimuli/auditory stimuli, *Drosophila* 5461.
- mating behaviour, *Aponomma hydrosauri* 3684.
- mating behaviour, *Archips cerasivoranus* 9365.
- mating behaviour, circadian rhythms, temperature effects, *Teleogryllus commodus* 4383.
- mating behaviour, Coniopterygidae 8560.
- mating behaviour, *Culex quinquefasciatus* 6925.
- mating behaviour, environmental factors, *Chilo suppressalis* 7616.
- mating behaviour, evolution, *Drosophila pseudoobscura* 9366.
- mating behaviour, genes, *Drosophila melanogaster* 8858.
- mating behaviour, geographical variations, *Musca domestica* 6921.
- mating behaviour, *Ips grandicollis* 2757.
- mating behaviour, *Orgyia leucostigma* 9364.
- mating behaviour, *Phidippus johnsoni* 6915.
- mating behaviour, radiation (γ) effects on, *Cydia pomonella* 2759.
- mating behaviour, role sex pheromone, *Glossina morsitans* 2607.
- mating behaviour/competitive behaviour, Eumenidae 2753.
- mating behaviour/competitiveness, chromosome aberrations effects on, *Anopheles culicifacies* 8513.
- mating behaviour/nesting behaviour, Sphecidae 6924.
- mating behaviour/orientation, *Stegobium paniceum* 7660.
- mating behaviour/oviposition site selection, *Paraceratitella eurycephala* 9419.
- mating competition/diapause, *Pectinophora gossypiella* 9363.
- mating competitiveness, *Dacus cucurbitae* 6916.
- mating disruption, attractants, *Eucosma sonomana* 1252, 1253.
- mating disruption, attractants, *Heliothis zea* 4837.
- mating disruption, *Cydia pomonella* 4832.
- mating effects on, *Stegobium paniceum* 1065.
- mating/fertilization, *Apis mellifera* 4590.
- mating/oviposition, *Bathycoclea thalassina* 1862.
- mating/oviposition, *Chaoborus flavicans* 4519.
- mating/oviposition, *Chrysochraon dispar* 4595.
- mating/oviposition, *Enallagma cyathigerum* 6172.
- mating/oviposition, *Zonocerus variegatus* races 5446.
- mating/oviposition *Nezara viridula* 364.
- mating/phenology, *Zonocerus variegatus* 5516.
- mating/pheromone emission, wind effects on, *Chilo saacariphagus* 9369.
- mating/swarming, *Anarete pritchardi* 7658.
- mating/swarming *Aedes albopictus* 355.
- mating/swarming behaviour, *Pheidole* 6922.
- mating/territorial behaviour, *Xylocopa sulcatipes* 2760.
- migration, precocene effects on, *Oncopeltus fasciatus* 4543.
- moulting, nerves, *Teleogryllus oceanicus* 7648.
- moulting behaviour, *Rana linearis* 2689.
- moulting behaviour, *Schistocerca gregaria* 226, 227.
- moulting/predation *Apateticus bracteatus* 2789.
- multiple mating, population genetics, *Drosophila pseudoobscura* 4592.
- multiple mating behaviour, evolutionary genetics, *Apis mellifera* 4940.
- nectar robbing behaviour, Eumenidae 1143.
- nest building, *Atta vollenweideri* 6378.
- nest building, *Polistes gallicus* 5522, 9648.
- nest building, social organization, *Nasutitermes costalis* 9646.
- nesting behaviour, activity patterns, diurnal variations, *Lasioglossum zephyrum* 381.
- nesting behaviour, *Ancistrocerus tuberculocephalus* 3743.
- nesting behaviour, *Andrena dunningi* 7708.
- nesting behaviour, *Cerceris wallingensis* 5717, 7710.
- nesting behaviour, *Crabro* 4644.
- nesting behaviour, *Diadasia bituberculata* 7693.
- nesting behaviour, *Epyris eriogoni* 7706.
- nesting behaviour, *Panurgus calcaratus* 6204.
- nesting behaviour, *Phlanthus bicinctus* 6947.
- nesting behaviour, *Plenoculus* 4642.
- nesting behaviour, *Polistes metricus* 7703.
- nesting behaviour, Pompilidae 4634.
- nesting behaviour, *Prionyx* 7702.
- nesting behaviour, *Tachysphex mundus* 388.
- nesting behaviour, *Tachytes tricornis* 6201.
- nesting behaviour, *Vespa simillima* 2105.
- nesting behaviour *Bombus* / *Psithyrus* 5486.
- nesting behaviour *Crabro* 1861.
- nesting behaviour/nest provisioning, *Sphex ichneumoneus* 2782.
- nesting behaviour *Polistes* 4849.
- nesting behaviour *Polistes chinensis* 4850.
- nesting behaviour/predation, *Cerceris* 8682.
- nesting behaviour/predatory behaviour, *Oxybelus* 7681.
- nesting behaviour *Ptilothrix bombiformis* 1081.
- nesting behaviour/social behaviour, *Myrmica rubra* 9653.
- nesting behaviour/territorial behaviour, *Xylocopa frontalis* males 1073.
- nesting behaviour/territorial behaviour, *Phlanthus bicinctus* 6193.

Behaviour.(continued)

- nets spinning, environmental factors, *Hydropsyche* 5491.
Oedaleus senegalensis 5692.
Olycella subumbrella 7684.
 optomotor response, eye, *Apis mellifera* 6013.
 optomotor response-visual stimuli, wing beat/posture,
Drosophila melanogaster 2555.
 orientation, attractants, *Ceratitis capitata* 9370.
 orientation, *Blaberus craniifer* / *Blattella germanica* /
Periplaneta americana 4599.
 orientation, environmental factors, *Pterohelaeus darlingensis*
 larvae 6929.
 orientation, mathematical models, *Arthropoda* 365.
 orientation, olfactory preferences, *Cimex lectularis* 7674.
 orientation, oviposition site selection, *Aedes vexans* 7670.
 orientation, pheromones, *Insecta* 4445.
 orientation, pheromones, *Pseudococcus calceolariae* 9371.
 orientation, rheotaxis, *Collembola* 4600.
 orientation, sex pheromone, *Plodia interpunctella* 4597.
 orientation, trail following behaviour, *Camponotus modoc*
 6927.
 orientation, trees, *Arthropoda* 7790.
 orientation, visual perception, *Lethrus apterus* 7468.
 orientation, visual stimuli, *Periplaneta americana* 8565.
 orientation mechanisms, *Carausius morosus* 6928.
 orientation olfactory stimuli, conditioning, *Blaberus craniifer*
 7672.
 orientation/swarming, *Anarete pritchardi* 7669.
 oviposition, *Antheraea polyphemus* 5456.
 oviposition, *Chalarus* 7747.
 oviposition, *Chilo partellus* 6017.
 oviposition, circadian rhythms, *Ostrinia nubilalis* 4380.
 oviposition, *Culex* 6308.
 oviposition, *Culex pipiens* 7647.
 oviposition, effects on sex ratios, *Trissolcus grandis* 1859.
 oviposition, egg masses size, *Adalia bipunctata* 7662.
 oviposition, *Hoplocampa testudinea* 5457.
 oviposition, host plants effects on, *Heliconius* 6173.
 oviposition, host selection, *Phthorimaea operculella* 6254.
 oviposition, host selection, role Formicidae, *Ogyris amaryllis*
 6265.
 oviposition, host selection/preferences, *Papilio machaon*
 5562.
 oviposition, *Oscinella frit* 6996.
 oviposition, ovipositor mechanisms, *Insecta* 7585.
 oviposition, plant chemicals *Lycopersicon esculentum* /
Nicotiana tabacum, *Manduca sexta* 4682.
 oviposition, plant extracts effects on, *Aedes aegypti* 7613.
 oviposition, site selection, colour preferences, *Drosophila*
melanogaster 1056.
 oviposition, site selection, *Rhagoletis cerasi* 7651.
 oviposition, *Trianaodes tardus* 6169.
 oviposition deterrents, *Dacus oleae* 7518.
 oviposition deterrents, Lamiaceae plant extracts, pests
Insecta 8636.
 oviposition host selection, evolution, *Battus philenor* 1060.
 oviposition site selection, *Aedes vexans* 4596.
 oviposition site selection, *Anthocharis* 7690.
 oviposition site selection, behavioral genetics, *Drosophila*
melanogaster 4075.
 oviposition site selection, *Bemisia tabaci* 5460.
 oviposition site selection, *Colaspis brunnea* 5458.
 oviposition site selection, *Cydia pomonella* 3683.
 oviposition site selection, *Diabrotica* 7652.
 oviposition site selection, diets effects on, *Plodia*
interpunctella 7089.
 oviposition site selection, environmental factors, *Haematobia*
irritans 5459.
 oviposition site selection, environmental factors, *Aedes*
vexans 7664.
 oviposition site selection, environmental factors,
Gastrimargus transversus 8530.
 oviposition site selection, *Hylobius abietis* 7663.
 oviposition site selection, *Lynantria dispar* 5445.
 oviposition site selection, *Palmaricorixa nana* 7666.
 oviposition site selection, salinity effects, *Anopheles*
albimanus 9329.
 oviposition site selection, *Spodoptera frugiperda*, *Sorghum*
bicolor 9487.
 oviposition site selection, *Wyeomyia smithii* 3835.
 oviposition/territorial behaviour, *Tanypteryx hageni* 6185.
 parasitism, *Apocephalus tenuipes* 401.
 parent-offspring interactions, *Insecta*, review 3995.
 parental behaviour, *Dermaptera* 1857.
 parental behaviour/anti-predator behaviour, *Elasmucha*
grisea 4627.
 parental behaviour/social behaviour, *Hymenoptera*, review
 3690.
Perrhybris lypera 391.
Phereoeca alluella 1901.
 pheromone traps, *Pectinophora gossypiella* 8759.
 pheromones response, courtship, *Nauphoeta cinerea* 3694.
 phonotaxis, *Teleogryllus oceanicus* 7671.
 phototaxis, behavioural genetics, *Drosophila* 7158.
 phototaxis, eye pigments, *Lepidoptera* 6019.
 pollen robbing behaviour, interspecific interactions, *Apoidea*
 374.
 pollination/sleep, *Hymenoptera* 7771.
 precocene effects on, *Locusta migratoria* 5423.
 predation, mechanisms, *Tenodera aridifolia* 3485.
 predatory behaviour, *Argyrodes attenuatus* 7680.
 predatory behaviour, *Euborellia moesta* 6944.
 predatory behaviour, *Hydrophorus oceanus* 7826.
 predatory behaviour, *Nephila clavipes* 9523.
 predatory behaviour, *Thanasimus dubius* 6951.
 predatory behaviour, vibratory stimuli, *Notonecta glauca*
 2550.
 predatory behaviour *Coccinella septempunctata* 1109.
 predatory behaviour *Cyrtophora* 1114.
 predatory behaviour/mating, *Scathophaga stercoraria* 6215.
 predatory behaviour *Toxorhynchites rutilus* larvae 5535.
 prey, aminobutyric acid/taurine effects on, webs *Argiope*
 1643.
 pupation, cholinergic nerves, *Manduca sexta* 6164.
 pupation site selection, *Scirtothrips dorsalis* 9426.
 pursuit, drones *Apis mellifera* 224.
 queens *Apis cerana* 4848.
 queens rearing/swarming, environmental factors, *Apis*
mellifera 9645.
 queens recognition, pheromones, *Apis mellifera* 9643.
 radiation (γ)/artificial diets effects on, *Glossina morsitans*
 1810.
 recruitment, *Neivamyrmex nigrescens* 2102.
 recruitment, sternal gland pheromones, *Aneuretus simoni*
 6075.
 reproductive behaviour, *Antheraea polyphemus* interspecific
 interactions *Saturnia pyri* 7667.
 reproductive behaviour, auditory communication,
 behavioural genetics, *Gryllus integer* 9694.
 reproductive behaviour, *Deinacrida connectens* 1095.
 reproductive behaviour, *Earias fabia* 5448.
 reproductive behaviour, effects on colonies production,
Polistes metricus 2103.
 reproductive behaviour, *Enallagma traviatum* 8562.

behaviour,(continued)

- reproductive behaviour, eye colour mutant, *Ceratitis capitata* 7968.
- reproductive behaviour, *Phidippus johnsoni* 5453.
- reproductive behaviour, radiation (?) effects on, *Pectinophora gossypiella* 9368.
- reproductive behaviour, sex pheromone, *Amyelois transitella* 2763.
- reproductive behaviour, tepa effects on, *Dysdercus koenigii* 6900.
- reproductive behaviour, tergal gland, *Postelectrotermes nayari* 6836.
- reproductive behaviour *Drosophila* 5462.
- reproductive behaviour *Pseudeucoila bochei* 4583.
- reproductive behaviour/swarming behaviour, *Myrmecocystus mexicanus* 1864.
- reproductive behaviour/territorial behaviour, *Scathophaga stercoraria* 6174.
- reproductive success, chemosterilants effects on, *Dacus cucurbitae* 8534.
- response, Dufour's gland secretion, *Myrmica* 7528.
- response attractants/sex pheromone, *Adoxophyes orana* 3700.
- eticulitermes lucifugus* 4649.
- ole antennae, *Colias* 1636.
- carabaeidae, dung, Zaire 2956.
- cent glands secretions response, *Dysdercus similis* larvae 1722.
- ototaxis, visual perception, *Nemobius sylvestris* 4368.
- ex pheromone analogues response, *Periplaneta americana* 1697.
- ex pheromone effects on, *Glossina* 7653.
- ex pheromone response, *Dysdercus similis* 1701.
- ex pheromone response, *Sitotroga cerealella* 6053.
- sexual behaviour, adaptations, *Drosophila melanogaster* 6920.
- sexual behaviour, attractants, *Cochliomyia hominivorax* 3693.
- sexual behaviour, bioluminescence, *Photuris* 4725.
- sexual behaviour, bioluminescence mimicry, *Photuris* 5449.
- sexual behaviour, *Eupompha wenzeli* 8150.
- sexual behaviour, *Mallophora ruficauda* 4594.
- sexual behaviour *Vespa crabro* 2608.
- sexual selection, *Drosophila silvestris* 8894.
- sexual selection, breeding sites, snowmelt *Aedes* 9549.
- sexual selection, feeding, Tabanidae 2998.
- sexual selection, host plants, seasonal variations, *Pissodes strobi* 8581.
- sexual selection, oviposition, *Euphydryas phaeton* 469.
- social behaviour, *Apis mellifera* 5716.
- social behaviour, *Dinoponera gigantea* 4639.
- social behaviour, evolution, book 5044.
- social behaviour, evolution, Vespidae, review 1270.
- social behaviour, *Halictus* 8778.
- social behaviour, *Lasius niger* 7908.
- social behaviour, nests, *Cerceris antipodes* 4847.
- social behaviour *Apis mellifera* 8785.
- social behaviour/foraging behaviour, *Amitermes evuncifer* 1271.
- social hierarchy, effects on endocrinology, *Polistes gallicus* 9248.
- social hierarchy, *Leptothorax allardycei* 9641.
- social hierarchy, *Ropalidia marginata* 7106.
- social interactions/nests biology, *Polistes foederatus* 3740.
- social organization, adaptations, *Camponotus* / *Zacryptocerus varians* 9652.
- social organization, age, *Solenopsis invicta* 8779.
- social organization, *Cephalotes atratus* 9650.
- social organization, evolution, mathematical models, Hymenoptera 7985.
- social organization, nests, *Formica exsecta* 7107.
- social organization, photoreceptors effects on, *Polistes* 9642.
- social organization, queens recruitment, *Myrmica* 9651.
- sound production, *Heteropoda venatoria* 1735.
- sound production, workers *Apis* 6380.
- sound production/mating, *Leperisinus* 5354.
- spatial distribution, environmental effects, Ephemeroptera 400.
- spinning, *Cnaphalocrocis medinalis* 7717.
- stability, environmental effects, Trichoptera larvae 2774.
- stridulation, *Odontotaenius zodiacus* 7538.
- sun compass orientation, *Apis mellifera* 4598.
- swarming, *Anopheles* 6923.
- swarming, crowding/queens effects on 9638.
- swarming, *Cryptopygus fasciatus* 7720.
- swarming, management effects on, *Apis mellifera* 9630.
- swarming, seasonal variations, *Apis mellifera* 8786.
- swarming, social organization, *Apis mellifera* 2106.
- swarming behaviour, chemical communication, *Polybia sericea* 6176.
- swarming behaviour, humidity/temperature effects, *Dorylus labiatus* 5525.
- swarming behaviour, methodology, *Anarete pritchardi* 8320.
- swarming behaviour, queen pheromone effects on, *Apis mellifera* 7678.
- swarming behaviour/mating behaviour, *Plectia nearctica* 362.
- swarming/feeding, *Hetaerina americana* 412.
- swarming/territorial behaviour, Insecta 354.
- swimming, *Scolopendra subspinipes* 6008.
- swimming behaviour, Carabidae 7682.
- swimming behaviour, Coleoptera 1614.
- swimming behaviour, Odonata, review 1617.
- taste aversion learning, *Diacrisia virginica* / *Estigmene congrua* 5466.
- temperature preference, *Androctonus australis* / *Buthus occitanus* 1715.
- temperature preferences, circadian rhythms, *Tipula plutonis* 9423.
- temperature preferences, Scorpiones 6952.
- temperature preferences *Stomoxys calcitrans* 2775.
- territorial behaviour, *Bombus* 8588.
- territorial behaviour, *Centris adani* 7668.
- territorial behaviour, *Eulaema meriana* / *Euglossa imperialis* 3711.
- territorial behaviour, Formicidae, review 7912.
- territorial behaviour, *Xanthocnemis zealandica* larvae 4655.
- territorial behaviour/defensive behaviour, *Acanthocephala femorata* 3680.
- territorial behaviour/mating, *Mischocyttarus drewseni* 358.
- territorial behaviour/predation, *Philanthus* 1188.
- thermoregulation, *Hemileuca oliviae* 1879.
- thermoregulatory behaviour, *Anarta zetterstedti* 4620.
- thermoregulatory behaviour, *Apis mellifera* 2553.
- thermoregulatory behaviour, *Papilio polyxenes* 1916.
- trail following behaviour, *Acromyrmex versicolor* interspecific interactions *Atta mexicana* 3886.
- trail following behaviour, colonies specificity, *Lasius neoniger* 1870.
- trail following behaviour, *Coptotermes formosanus* 4604.
- trail following behaviour, *Lycosa* 1873.
- trail following behaviour, Termitidae 8601.
- traps, Phlocidae 5242.
- urban environments, *Blattella germanica* 5502.
- Vespa maculifrons* males 5513.

Behaviour, (continued)wings folding, genes, *Drosophila melanogaster* 9696.**Behningiidae,**

anatomy 7449.

new records, USA North Carolina 5034.

Belenois mesentina,

energy flow/population levels/productivity, tropical grasslands 1986.

Belgium,check lists, Heteroptera aquatic environments 5770.
check lists Diplazontinae 3214.

check lists/new records Araneae 1359.

check lists/new records Psocoptera 3238.

check lists/new records Tingidae 5771.

first record *Carorita paludosa* 5765.first record *Carpophilus marginellus* 5766.first record *Nothris lemniscella* 678.first record *Theria primaria* 4123.

new records Araneae 1360.

new records Hippoboscidae 1370.

new records Ichneumonidae 5009.

new records Linyphiidae 3194.

new records Syrphidae 7200.

new species Acaridae 755.

new species Aphidiidae 5158.

new species/check lists Acaridae 2272.

new species Cheyletidae 6545.

new subspecies *Carabus purpurascens* 3305.

taxonomy/geographical distribution Syrphidae 5129.

Belgium West Flanders,

new records Linyphiidae 5765.

Belize,

new species Curculionidae 7280.

Belocera,

new species, China, People's Rep. 91.

Belopus procerus,

new records, Italy 9728.

Belostoma,

life cycles/morphology 9410.

Belostoma indicum,

head, skeleton/muscles 1589.

Belostomatidae,

eggs 1854.

head 1589.

immature stages 6736.

life cycles/morphology 9410.

rhythms 2556.

sex ratios 8583.

taxonomy 2382, 5908.

Bembecia minianiformis,

bionomics/host plants 5482.

Bembidion,

taxonomy 2307, 8118.

Bembidion fumigatum,

new records, Ireland 6472.

Bembidion petrosus,

new species, USSR 7268.

Bembidion quadrimaculatum,

insecticides toxicity 2682.

Bembix,

new records, USSR Tajikistan 8916.

taxonomy 6668.

Bemisia,

new species, Pakistan 8224.

Bemisia tabaci,alternative hosts, *Gossypium* crop fields 1963.

chemical control 8733.

chemical control/toxicity fenvalerate 3104.

oviposition site selection 5460.

pest resistance *Lycopersicon* 9486.

population dynamics, insecticides/parasitism effects on 2073.

populations, spatial distribution, *Gossypium* crop plants 5635.**Bengalia,**

foraging behaviour, cleptoparasitism 9391.

Benthos,

Chironomidae, population density, lakes, USA California 1278.

ecology *Ephydra cinerea* populations, Great Salt Lake, USA 1279.

Insecta, mountains streams, human impact ecosystem dynamics 2115.

Insecta, sampling methodology 3421.

population density/community composition, seasonal variations, environmental factors, lakes, Canada 581.

Berberia abdelkader,

new subspecies, Algeria 8277.

Berdentella,

new species, Italy 5891.

taxonomy 4238.

Beris,

new species, USSR 7318.

Berlesezetes,

taxonomy 8090.

Berotha,

taxonomy 9105.

Berothidae,

taxonomy 9105.

Bestiola,

taxonomy 4260.

Bethylidae,

behaviour 7706.

parasitism 5656, 8617, 9455.

Bezzia,

new species, Zaire 5121.

Bhutan,

new species Braconidae 6658.

new species/check lists Termitidae 2418.

Bibio,

new species, Brazil 8176.

Bibio marci,

eye, ultrastructure 8376.

Bibionidae,

new species, Brazil 8176.

sense organs 8376.

swarming behaviour/mating behaviour 362.

Bibloporus ultimus,

first record, Italy 2329.

Bicyrtes,

biology/fauna, USA Texas/Mexico 9752.

Bielliana,

new genus 789.

Bigotomyla,

taxonomy 9049.

Bilobella aurantiaca,

chromosomes 6417.

Bimichaelia,

new species, USA South Dakota 7243.

Binaghi, G.,

bibliography 2269.

Binuncus,

new species, Malaya 758.

Biogenic amines,

nerves, Insecta, review 6756.

Biology,

- Acrididae, review 4612.
 Acrididae, Upper Volta 483.
Acrobasis 5506.
 activity patterns *Drosophila* 2942.
Adoryphorus couloni 8599.
Aedes, vectors yellow fever virus, Senegal 2012.
Aedes fluviatilis 8571.
Aelia germari 4636.
Agrilus bilineatus 3718.
Alenophalera bronneomixia 4652.
Altica, zoogeography 9375.
Amphipoea interoceanica 1077.
Amsacta moloneyi 2813.
Anartia 2435.
Ancylis discigerana 9380.
Andrallus spinidens 378.
Andrena dunningi 7708.
Apanteles, China, People's Rep. 1908.
Aphanostigma jakusuiense 5521.
 Araneae, orchards, USA California 6266.
Aslauga 5949.
 bibliography, *Araecerus fasciculatus* 8730.
 bibliography, *Ceuthorrhynchidius horridus* 7870.
 bibliography, *Ips* 8598.
Bicyrtes 9752.
Brachycaudus amygdalinus 8004.
 breeding sites preferences *Stomoxys calcitrans*, USA Florida 1102.
 brood rearing/longevity, seasonal variations, *Apis mellifera*, French Guiana 1106.
 Bruchidae 5510.
Cactoblastis 7753.
Callosobruchus analis 2819.
Carausius morosus 2778.
 case construction, *Eukiefferiella* larvae 7716.
Casnia dedalus 5664.
Catantops haemorrhoidalis, Africa, West 2916.
Catopsilia scylla 4633.
 Cerambycidae, Brazil 2060.
 Ceratopogonidae 6200.
Chrysopa boninensis 2787.
 Cicadellidae 3094.
Cionus hortulanus 5478.
Cnepharia 386, 1090.
 Coccinellidae 1225.
Colletes 2928.
Contarinia sorghicola 2812.
Coptoformica exsecta 9637.
Coptopteryx viridis 373.
Cryptocephalus cruciger 8908.
Cryptotermes 5026.
Cryptotermes brevis 2818.
Ctenocarabus galicianus 2800.
 Ctenoplectridae 2197.
Culex quinquefasciatus, review 2014.
 Culicidae, bibliography 8715.
 Culicidae, Germany, Fed. Rep. Bonn 2222.
Culicoides belkini 2013.
Culiseta inornata, aestivation 1918.
Culiseta longiareolata 7718.
Curculio chinensis 7871.
Cydia ptychora, phenology *Vigna unguiculata* 9376.
Damalinia bovis / *Linognathus vituli* 9557.
Dasineura mali / *Macrolabis* 2804.
Deinacrida connectens 1095.
Delphacodes campestris 3714.
Demodex, review 9572.
Dichroplis 5475.
Dioryctria, India 2809.
 Diptera, forests, Germany, Fed. Rep. 2938.
Drepanocerus 6937.
Drino gilva 6234.
Drosophila 6187.
Encarsia formosa 8612.
Ennomos subsignarius 2815.
 environmental factors, *Ixodes ricinus* 3746.
Epiblema cynosbatella 3723.
Ethemom lepidum 890.
Euleia heraclei 6202.
Eulimnia 79.
Eurostus validus 2811.
Euschistus, orchards, USA Georgia 3717.
Forficula auricularia 2245.
Formica cinerea, USSR Byelorussia 2788.
Gastropacha quercifolia, Finland 396.
Gonia cinerascens 3761.
 habitat preferences, Ephemeroptera/Plecoptera 2118.
Halictus 8778.
Harpalus circumpunctatus 3439.
Helosciomyza subalpina 1076.
 host plants effects on, *Empoasca kraemeri* 1882.
 humidity effects on, *Amblyseius andersoni* / *Neoseiulus* 5473.
Hybomitra montana 1881.
Hylesia corevia 903.
Hyphantria cunea, German Dem. Rep. 3222.
 immature stages, *Hydroptila itoi* 1578.
Incisitermes banksi 1078.
 Insecta, book 5048.
Ischnodemus 7821.
 Isoptera, Egypt, Arab Rep. 2087.
 Isoptera, grasslands 3710.
Ixodes trianguliceps 3727.
Kaltenbachiola strobi 6191.
Languria erythrocephalus 2792.
Latrodectus, Argentina Buenos Aires 482.
Lepidiotia stigma / *Leucopholis rorida* 5481.
Leptoglossus australis 1883.
Leptothrips mali 5480.
Leucodonta bicoloria 1894.
Leuctra digitata 7786.
Lioplacis elliptica 888.
Lipaphis erysimi 3991.
Lutzomyia umbratilis 6288.
 Lycaenidae 5193.
Macropeza 1473.
Mallosoma ptiadeniae 889.
Mansonina perturbans 6199.
Megastigmus spermatrophus 7074.
Melittoma 5504.
 Melyridae 6941.
Monomorium 2801.
Monosoma pulverata 6195.
Musca autumnalis, review 1193.
Nersia florens 9413.
 nests, *Mischocyttarus* 1273.
 nests, *Vespula flavopilosa* 389.
Noterus, Denmark 3116.
Oberea erythrocephala 5566.
 Odonata, review 1079.
Olycella subumbrella 7684.
Oncyclocotis tasmanicus 9417.
Orsodacne 9412.
Otiorynchus rotundatus, Poland 2803.

Biology, (continued)

- Ozola minor* , Philippines 1884.
Pachygastris trifolii , Spain Huelva/Cadiz 3232.
Pamphilus vafar 5503.
Panurgus calcaratus 6204.
Papilio anchisiades 892.
Papilio polyxenes 7705.
Pericallia ricini 5479.
Phalaenoides glycine 4614.
Phyllocerus 7291.
Phyllophaga fimbripes 5520.
Phylocentropus 1534.
Picromerus bidens 7224.
Pissodes notatus 5663.
Pityophthorus traegardhi 560.
Plagiognathus albatu 3733.
Plusia acuta 6954.
Plutella maculipennis 3042.
Pollinia pollini 375.
Pristomerus vulnerator 1930.
Procecidochares , galls, *Chrysothamnus* 380.
Procris subsolana 3716.
Propylea quatuordecimpunctata 7221.
 Psyllidae 1084.
Ptilothrix bombiformis 1081.
Rhodnius robustus 6203.
Saperda populnea 2806.
 Scarabaeidae, dung, Zaire 2956.
 Scarabaeidae, review 1075.
Sextius virescens , Australia Acacia 1094.
Sitona humeralis 3745.
Spharagemon , Canada Quebec 1107.
Stenonema modestum 3734.
Stichotaenia quadrisignata 900.
Stylops 4664.
 temperature effects on, *Ostrinia nubilalis* 9422.
 temperature/rainfall effects on, *Messor syriacus* 2104.
 Tenebrionidae, review 3715.
Tenuipalpus inophylli 5813.
Tetragnatha laqueata 2292.
 Tettigoniidae 7212.
Thelgetra latipennis 891.
 Tineidae, caves 865.
Trachypus 377.
Trechus austriacus 2219.
 winter activity, Collembola, Canada 413.
Zeiraphera , USA Alaska 3713.
Zygina rubronotata 7715.
Bioluminescence,
 autecology, *Photuris* 4725.
 flashing, courtship/mating behaviour, *Pteroptyx tener* 6917.
 Lampyridae 2638.
 luciferase, *Luciola mingrelica* 3571.
 luciferase inactivation, *Luciola mingrelica* 277.
 luciferase inhibition, *Luciola mingrelica* 7541.
 mimicry, *Photuris* 5449.
 nerves, pharmacology, *Photuris pennsylvanica* 8449.
Photuris 1736.
Bionomics,
 Agromyzidae 3765.
Anopheles darlingi 5509.
 apholate resistance, *Musca domestica* 6114.
Buzura edwardsi 7815.
Chilo auricilius 8572.
Corythucha associata 3719.
Culex nigripalpus , USA Florida 507.
 Culicidae/Culicoides , South Africa 3019.
Dendroctonus ponderosae 3075.
 Drosophilidae, winter, Japan 1909.
Eretmapodites 1161.
 foraging behaviour, morphometry proboscis + plants,
 Bombus 453.
 Insecta pests *Gossypium* , Australia, review 3033.
Ixodes dammini 8671.
Leucoma wiltshirei 7832.
 natural enemies, fauna *Opuntia* 463.
 relationship host plants, *Enchenopa binotata* 1355.
Scymnus marginicollis 4616.
 Sesiidae 5482.
Syntomis fortunei 1885.
Biosteres,
 new species, Hungary/Yugoslavia/Romania 4263.
Biosteres longicaudatus,
 host searching behaviour 6974.
Biotypes,
 see **Morphs**
Bismarck Archipelago,
 new species Cicadellidae 1497.
Bissetia steniellus,
 chemical control/cultural control 1232.
Biston betularia,
 x *Biston strataria* hybrids 636.
 colour polymorphism, effects on viability 1351.
 melanism, Norway 4092.
 population genetics, migration/selection models 1346.
Biston strataria,
 x *Biston betularia* hybrids 636.
Bittacidae,
 behaviour 1855.
 mating behaviour 361.
 new species, Sudan (Dem. Rep.) 9104.
Bittacus,
 new species, Sudan (Dem. Rep.) 9104.
Bituberocermes,
 new species, US Virgin Is. 28.
Blaberidae,
 behaviour 3694, 4599, 7672, 7722.
 brain 1621, 8362.
 courtship 1068.
 digestive systems 5290, 8393.
 fat body 6804, 8398.
 glands 2626.
 hormones 5323, 6047.
 insecticides effects on 922.
 ions 1713.
 metabolism 249, 4419.
 muscles 4348.
 nerves 2527, 7462, 9165.
 new records, USA Louisiana 9746.
 nutrient balance *Epilampra irmieri* , tropical rain forests
 1177.
 regeneration 1791, 9314.
 reproduction 4576, 5430, 9342.
 reproductive systems 8503.
 rhythms 939.
 salivary glands 1716.
 sense organs 8371.
 taxonomy 35.
 toxicity insecticides 9276.
 vitellogenesis 1835.
Blaberolaelaps,
 new genus, Brazil 5803.
Blaberus crantifer,
 brain, deuterocephalon glomerulus organization 1621.

Blaberus craniifer, (continued)

brain anatomy 2527.
 compound eyes basement membranes 8371.
 conditioning, olfactory stimuli 7672.
 deutocerebrum, glomerulus ultrastructure 8362.
 leg, grafting/regeneration 9314.
 nerves, deutocerebrum 9165.
 orientation 4599.
 regeneration, integument 1791.
Blaberus discoidalis,
 age/hormones effects on metabolism, fat body 8398.
 dielrhythm metabolism 4419.
Blaberus fuscus,
 farnesol effects on vitellogenesis, relationship feeding 1835.
Blaesoxipha,
 parasitism Acrididae 7741.
Blaesoxipha filipjevi,
 parasitism *Zonocerus variegatus* 5514.
Blankaartia,
 new species, West Irian 19.
Blaps,
 repellents characterization 2610.
 ultrastructure oocytes nuclei 3451.
Blaps lethifera,
 ultrastructure oocytes nuclei 3450.
Blaps mucronata,
 cuticle hydrocarbons 3454.
Blapticus,
 new species, France 4269.
Blaste nairobense,
 taxonomy 2441.
Blastotere laevigatella,
 ecology/parasitism 8663.
Blatta orientalis,
 glycogen storage, seasonal variations 1687.

Blattella germanica,

aggregation, circadian rhythms sheltering behaviour 7695.
 behaviour/ecology, urban environments 5502.
 chemical control 9567.
 chemical control/population studies 5649.
 chromosome aberrations 4912.
 DDT resistance, ATPase (Ca dependent) 4509.
 development, flagella 7580.
 digestive systems, anatomy 5287.
 embryos, chromosome aberrations, translocations 4895.
 fertilization/mating 5393.
 genetic control, translocations heterozygotes 533.
 haemolymph proteins/lipids, insecticides effects on 7486.
 infestations/pest control 9585.
 locomotion, biomechanics 8358.
 nitrogen metabolism 5300.
 orientation 4599.
 pathology 7545.
 radiation (electromagnetic) effects on 5469.
 storage excretion, symbionts effects on 8425.
 toxicity *Gonyaulax* toxins 3601.
 toxicity methyl bromide 2657.
 transmission *Salmonella enteritidis* 5655.
 vitellin 6904.
Blattellidae,
 behaviour 4599, 7722.
 behaviour/ecology 5502.
 chemical control 9567.
 chemical control/population studies 5649.
 chromosomes 4895, 4912.
 development 7580.
 enzymes 4509.
 genetic control 533.
 haemolymph 7486.
 locomotion 8358.
 metabolism 5300.
 new records, USA Louisiana 9746.
 pathology 7545.
 pests 9585.
 proteins 6904.
 protozoa 6084.
 radiation effects on 5469.
 reproduction 5393.
 toxicity *Gonyaulax* toxins 3601.
 toxicity methyl bromide 2657.
Blattidae,
 behaviour 3712, 4599, 6956, 7695.
 circulatory system 8388.
 development 8510.
 digestive systems 9191.
 enzymes 4357.
 glands 9254.
 gut 232, 1666, 4388.
 haemocytes 942, 2500.
 immature stages/taxonomy 8111.
 immunology 3494, 7487.
 larvae 5247.
 learning 5468.
 lipogenesis 9201.
 locomotion 2570.
 metabolism 1651, 3520.
 3-methylpentacosane biosynthesis 9200.
 muscles 6007.
 nerves 2519, 2528, 2531, 2535, 4364, 5259, 5260, 6011,
 6758, 6759, 7463, 7465, 8366, 9166.
 new records, Malta 8019.
 ootheca 6874.
 orientation 8565.
 osmoregulation 6031.
 pathology 2656.
 pheromones 1697, 9232.
 proteins 4403, 6780, 7501.
 proteins/reproduction 4300.
 protozoa infection 1752.
 radiation effects on 5469.
 reproduction 4570, 6912.
 respiratory systems 5282.
 rhythms 4382, 6823.
 salivary gland 9347.
 sense organs 3480, 7470.
 senses 8377.
 sense organs 7471.
 starvation 8408.
 sterilization 6892.
 symbiosis 4393.
 synapses 1624.
 taxonomy 2297.
 temperature tolerance 5337.
 toxicity camphechlor 1012.
 toxicity DDT analogues 9291.
 toxicity hydroquinone 924.
 vector-borne diseases 5655.
Blattisocius dendriticus,
 first record, Poland 2937.
Blattodea,
 adaptations 5344.
 control 2981.
 digestive systems 5287.

Blattodea,(continued)

excretory systems/symbiosis 8425.
 medical importance, review 2017.
 metabolism 2593.
 neurosecretion 8440.
 pests 8724.
 regeneration 1792.

Bledius,

new species, Tunisia 2336.

Blepharidopterus angulatus,

population dynamics, predator-prey interactions 4742.

Blepharipa pratensis,

rearing 7421.

Blepharipa tibialis,

cholinesterase activity, insecticides metabolism 9218.

Blepharita,

new species, Malta 2434.

Blissus insularis,

pest resistance *Stenotaphrum secundatum* 7103.

Blissus leucopterus,

chemical control 6337.

feeding/oviposition behaviour, *Panicum miliaceum* 9476.

overwintering, spatial distribution 486.

Boarmia,

taxonomy 8263.

Boarmia concinnata,

taxonomy 852.

Boarmia selenaria,

natural enemies, Israel 4746.

pathogenicity *Aerobacter aerogenes* / *Proteus mirabilis* ,
 synergism 288.

Boettcherisca peregrina,

photoreceptors, compound eyes 6772.

stereospecificity sugar receptors, labella 9182.

Bog,

see Swamp

Bogania,

new species, Australia 5826.

Bohartella,

new species, Neotropical Region 5941.

Boisea,

taxonomy 6635.

Bolbogonium,

new records, Afghanistan 4209.

Boldoriella,

new species, Italy 1443.

Boletina,

new species, Austria 5126.

Bolitobius,

taxonomy 5870.

Bolitotherus cornutus,

aggression/mating, reproductive success 8553.

Bolivia,

new species Cerambycidae 770, 8128.

new species Cicadellidae 819, 7343, 7344.

new species Elateridae 5100.

new species Masaridae 5174.

new species/new records Cerambycidae 8127.

new species/new records Salticidae 8107.

new species Scarabaeidae 3328.

new species Tipulidae 1488.

Boloria,

new species, USA 5199.

Boloria graeca,

first record, Italy 694.

Bomansius,

new genus, New Hebrides 2325.

Bombicidae,

genes 1298.

nucleic acids 9671.

Bombus,

3799.

behaviour/geographical distribution/life cycles, USA
 Michigan 5486.

book 732.

coexistence/species richness, niche separation 5634.

coloration, polymorphism, mimicry 3174.

food niches, analysis 5228.

foraging behaviour 9390.

foraging behaviour, energetics 1098.

foraging behaviour, learning 1890.

foraging behaviour, *Trifolium repens* , roadsides 1969.

geographical distribution, Poland 8041.

immature stages 897.

morphometry proboscis + plants, resource utilization 453.

niche overlap, montane environments 2933.

observation methods/rearing, nests 169.

oxygen consumption, fasting effects on 9220.

pollination *Cypripedium acaule* , non-target organisms,
 fenitrothion 6359.

pollination *Lycopersicon* 5567.

resource partitioning, flowers, proboscis role 2957.

resource utilization/niche overlap 5617.

sex ratios 6304.

territorial behaviour/habitat preferences 8588.

Bombus atratus,

colonies formation 7711.

hypopharyngeal glands, cytology/ultrastructure 986.

salivary gland secretions, characterization 1730.

Bombus hortorum,

compound eyes/ocelli, photosensitivity 5264.

Bombus melanopygus,

polymorphism, coloration 1337.

Bombus terrestris,

queens, mandibular glands, pheromones 5350.

queens pheromones, inhibition workers development 6905.

Bombycidae,

amino acids 3517.

breeding 585.

check lists, Germany, Fed. Rep. Schopflocher Alb 9736.

chromosomes 1310, 1594, 7142, 8810.

development 2711, 2715, 6905, 8548.

developmental genetics 2740.

diapause 2613, 2702, 2703, 3660, 7595.

diets 2445, 8406.

digestive systems 8391.

eggs 1833.

embryogenesis 6875.

embryology 6122, 6903.

enzymes 244, 951, 1677, 2582, 5307, 8419, 9163, 9193.

excretion 240.

excretory systems 5301.

genes 1299, 3136, 3139, 4015, 4877, 7936.

genitalia 910.

glands 1732, 4479, 5346, 7935, 7972, 8438.

gut 950, 1654.

gynandromorphs 3166, 3542.

haemocytes 1650.

heart rate 1652.

hormones 1692, 1694, 1695.

hypersensitivity 514.

inbreeding 1812.

Hombycidae, (continued)

- insecticides toxicity 6097.
 pupids 8423.
 senescence 4902.
 metabolism 2589, 3518.
 mosaicism 4865.
 mutation 2160, 5741, 9692.
 nucleic acids 603, 1288, 4004, 4020, 4034, 6392, 6394, 7124.
 nucleic acids biosynthesis 2623.
 nutrition 2572.
 parthenogenesis 1818, 1819.
 pathology 995, 1741, 1742, 1754, 2649, 3589, 3590, 7548, 7555, 7556.
 pesticide residues 6104.
 phagocytosis 7454.
 phenology 2714.
 pigments 6062.
 polymorphism 1330.
 proteins 941, 964, 5319, 6148.
 radiation (u.v.) 3640.
 rearing 3614.
 rearing, review 3088.
 selection 586.
 sense organs 6767.
 sterols 7500.
 tissue culture 2497.
 toxicity 8464.
 toxicity 1,2-dibromoethane 8467.
 viruses 1747.
- Hombyliidae,**
 checklist, Netherlands 5004.
 new records, Netherlands 3210.
 new species, Ethiopian Region/Palaearctic Region 8177.
 parasitism 1123.
 parasitism *Hybomitra lasiophthalma*, host-parasite interactions 1117.
- Hombylius medius,**
 first record, Netherlands 3210.
- Hombylius,**
 chromosomes 8810.
 senescence, review 4902.
 silk gland, proteins genes activity 7935.
 taxonomy 9092.
- Hombylius mori,**
 allergens, hypersensitivity man, Japan 514.
 antennal chemoreceptors 6767.
 artificial diets 2445.
 feeding 585.
 cell lines, replication *Barathra brassicae* nuclear polyhedrosis virus 3590.
 chorion, gene mapping 4877.
 chromosomes, meiosis 7142.
 chromosomes ultrastructure, eggs maturation, parthenogenesis 1594.
 cocoons, trehalase 244.
 corpora allata effects on fibroin mRNA biosynthesis, silk gland 2623.
 cytoplasmic polyhedrosis virus 1747.
 development, amylase activity, haemolymph 1677.
 development, feeding/hormones 8548.
 development, light effects on 2715.
 development, silica effects on 2711.
 developmental genetics, temperature effects 2740.
 diapause, role oxygen 3660.
 diapause eggs, ribosomes activity 2703.
 diapause hormones 7595.
 diapause hormones, serum albumen injection media 1695.
 diapause termination, rRNA biosynthesis 2702.
 2,22-dideoxy-20-hydroxycyclopentadienone isolation/characterization, ovary 1692.
 diets, *Taraxacum officinale* + chloramphenicol 8406.
 DNA content, embryogenesis 1288.
 egg shells, water permeability, temperature effects 2613.
 eggs, susceptibility radiation (u.v.) 3640.
 embryogenesis 6875.
 embryogenesis, yolk proteins 6122.
 embryology, yolk proteins 6903.
 epidemiology densovirus 7548.
 excretion nitrogen 240.
 fat body, adenylate cyclase, AMP/AMP (2'-deoxy) effects on 951.
 fat body, mRNA translation 4034.
 fatty acids/lipids/sterols 8423.
 fibroin gene mapping 3136.
 fibroin genes, DNA 9671.
 fibroin genes transcription, silk gland 3139.
 fibroin polymorphism 1330.
 flacherie virus pathogenicity, factors affecting 1742.
 flimsy cocoon mutant, mRNA production 5741.
 food quality effects on development/cocoons 2572.
 fucoyloligosaccharide identification 7500.
 gene mapping 4015.
 gene mapping, pupae mutants 7936.
 genitalia 910.
 guanylate cyclase, fat body 8419.
 gut, amylase secretion 2582.
 gynandromorphs, antennae morphology 3166.
 gynandromorphs, fat body histochemistry 3542.
 haemocytes, adherence properties 1650.
 haemocytes, phagocytosis 7454.
 haemolymph/fat body proteins, metamorphosis 5319.
 haemolymph proteins, purification/characterization 941.
 heart rate, carbon dioxide effects on 1652.
 heat treatments effects on eggs viability/chromosomes 1833.
 hormones effects on nuclear polyhedrosis virus development 1741.
 inbreeding effects on embryogenesis/pupae weight 1812.
 Kiuki mutant 9692.
 kynureninase, metamorphosis 5307.
 larvae, diets 3614.
 larvae, glucose diets, effects on trehalose metabolism 3518.
 larvae, midgut membrane potential 950.
 larvae, mutants, nitrogen metabolism 2589.
 larvae, nutrient requirements amino acids 3517.
 meiosis, chromatin organization 1310.
 midgut, amino acids transport 1654.
 midgut, L-phenylalanine active transport 8391.
 midgut/hindgut, ATPase (Na + K activated) localization 9193.
 midgut ultrastructure, *Bacillus thuringiensis* endotoxins effects on 2649.
 mosaicism, fate mapping 4865.
 nerves, esterase, moulting 9163.
 nitrogen excretion/metabolism 5301.
 non-moulting mutants, linkage analysis 2160.
 nuclear polyhedrosis virus infection 3589.
 parthenogenesis, temperature effects 1818, 1819.
 pathogenicity *Nosema* 1754.
 pathology, *Aspergillus flavus-oryzae* 7555, 7556.
 pesticide residues effects on 6104.
 prothoracic gland cells, ultrastructure 1732.
 prothoracicotropic hormone, purification 1694.
 pteridine pigments 6062.
 radiation (X) effects on proteins biosynthesis 6148.

***Bombyx mori*, (continued)**

- reproduction, insecticides effects on 6097.
 ribonucleoproteins, isolation 4020.
 rRNA genes, nucleotide sequence 603.
 mRNA methylation, embryology 6392.
 silk fibres weight, selection 586.
 silk fibroin genes, nucleotide sequence 1298, 1299.
 silk gland, fibroin 8438.
 silk gland, fibroin secretion, selection 7972.
 silk gland, mRNA, complexity/diversity 7124.
 silk gland, tRNA, nucleotide sequence/codons 4004.
 silk gland, tRNA isoacceptors 6394.
 silk gland metabolism, methoprene effects on 5346.
 silk gland ultrastructure 4479.
 tissue culture, ovary 2497.
 toxicity 1,2-dibromoethane 8467.
 toxicity endotoxins *Bacillus thuringiensis*, mechanisms 995.
 toxicity formaldehyde, ecdysones/plant extracts effects on 8464.
 vitellin purification/characterization 964.
 voltinism, environmental effects 2714.
***Boopeton*,**
 new genus, America 144.
***Boophilus*,**
 fertilization/longevity/parthenogenesis 2692.
 interspecific hybridization, sterility 6438.
 spermatogenesis 7646.
***Boophilus annulatus*,**
 oviposition 319.
 teratology 3442.
***Boophilus decoloratus*,**
 acaricides resistance 5382.
 eggs, lipids 6041.
 vector-borne diseases, Zimbabwe 3022.
***Boophilus microplus*,**
 abundance/distribution, environmental effects, India Uttar Pradesh 1182.
 aggregation behaviour 2810.
 chemical control 1196, 2030, 9563.
 chemical control, Australia Queensland 1215.
 infestation, immune response, cattle 7862.
 infestations, cattle, Paraguay 9558.
 innervation muscles/glands 8365.
 oviposition 318, 9355.
 oviposition/hatching, acaricides effects on 1042.
 parasitism cattle, pest resistance 8694, 8700.
 perineural cells, glial cells, gap junctions 927.
 pest resistance cattle 3907, 7068.
 pesticide resistance, South Africa 2666.
 toxicity/metabolism chloromethiuron 313.
 vectors *Babesia bovis* 7865.
 weight relationship fecundity/oviposition 2750.
***Boophthora erythrocephala*,**
 taxonomy 7317.
 toxicity chlorpyrifos-methyl/food selection 6873.
***Boottettix*,**
 synonymy, America 144.
***Borkhausenia nefrax*,**
 first record, Spain 9738.
Borneo,
 new species Coccinellidae 7275.
 new species Labiidae 2349.
 new species Pacullidae 8975.
 new species Salticidae 8106.
 new species Scarabaeidae 1461.

***Borneomma*,**
 new genus, Sabah 8975.

***Borulla*,**
 new genus, India 7339.

***Boschella*,**
 new genus 5849.

Bostrichidae,
 chemical control/pests 6371.
 chitin inhibitors 1049.
 control 6340.
 enzymes 966.
 feeding 5552.
 life cycles 6945.
 mutualism 5542.
 pests 459.
 pests 3049, 3064.
 repellents 3551.
 reproductive systems 8505.
 sex differentiation 6721.

***Bostrychus capucinus*,**
 pests, *Erica arborea* 459.

***Botanochara impressa*,**
 immature stages/biology 904.

Bothriuriidae,
 chromosomes 614.
 glands 3570.
 new species, Argentina 31, 32, 33.
 taxonomy 3294.

***Bothriurus araguayae*,**
 predator-prey interactions, *Athene cunicularia* 3889.

***Bothroponera soror*,**
 pheromones, mandibular glands 5332.

***Bothynus gibbosus*,**
 pest resistance *Helianthus/Viguiera porteri* 1961.

***Botryoideclava*,**
 new genus, India *Eriaphytis*, new species, India 5156.

Botswana,
 check lists Meloidae 3242.
 new species Arrenuridae 6.
 new species Asilidae 3339.

***Bottegia*,**
 new species, Ghana 4194.

***Bovicola*,**
 new records, Spain 7206.

***Bovicola bovis*,**
 chemical control 5637.

***Bracanastrepha*,**
 new species, Neotropical Region 1506.

***Bracanastrepha tingomariana*,**
 taxonomy 1506.

***Brachistosternus*,**
 new species, Argentina 32, 33.

***Brachmia biareatella*,**
 taxonomy 2426.

Brachodidae,
 new species, Ryu Kyu Is. 114.

***Brachycaudus amygdalinus*,**
 biology/first record, British Isles 8004.

***Brachycaudus helichrysi*,**
 pest resistance *Solanum berthaultii* 4681.

***Brachycentrus americanus*,**
 toxicity/bioaccumulation endrin/methoxychlor 2122.

***Brachycercus*,**
 energy flow/production 4000.

***Brachychochthonius*,**
 new species, Morocco 6540.

- Brachylabis**,
new species, Sarawak 5120.
- Brachymeria**,
humidity preferences/temperature preferences 1072.
nutrition, amino acids 9206.
- Brachymeria intermedia**,
rearing 1539.
- Brachymeria ovata**,
introduced species, Finland 3216.
- Brachymeria russelli**,
parasitism *Dorynota pugionata*, Brazil 1074.
- Brachymyrmex depilis**,
intertidal environments, effects on survival 2791.
- Brachynidius**,
revision, France 4105.
- Brachyopa**,
new species, Israel 8199.
taxonomy 2372.
- Brachyopoda**,
new species, Japan 4156.
- Brachyptera braueri**,
larvae/reproductive behaviour 353.
- Brachysymbola**,
taxonomy 6680.
- Brachythemis fuscopalliat**,
first record, Syria 8056.
- Brachythemis leucosticta**,
first record, Sardinia 8924.
- Brachytron pratense**,
new records, Ireland 3190.
- Brachyurothrips anomalus**,
morphology/feeding 6000.
- Bracon**,
parasitism *Phylacteophaga froggatti* 406.
- Bracon brevicornis**,
pathogenicity *Bacillus thuringiensis* 6840.
rearing, sex ratios 6226.
- Bracon hebetor**,
ploids, males viability 3171.
parasitism *Galleria mellonella* 6984.
- Bracon platynotae**,
development/survival, hosts/temperature effects on 431.
- Braconidae**,
alcohol resistance 9457.
behaviour 6974.
behaviour/pheromones 8555.
biochemistry 8420, 8421.
biology 1908.
check lists, USSR Lenkoran/Talysh Mts. 4122.
check lists/ecology, Czechoslovakia Vah Valley 4112.
check lists/new records, Japan Shikoku 8039.
clonation 6061.
development 431.
diapause 4535.
ecology 1993.
geographical distribution, Canada Ontario 5783.
hairs 8445.
immature stages 6732, 6733.
larvae 895.
natural enemies 8613.
new records, USA Delaware 2250.
new records/parasitism, Romania 8616.
new species, Bulgaria 5161.
new species, Canada/Europe 97.
new species, Hungary/Yugoslavia/Romania 4263.
new species, India 3374.
new species, India/Bhutan 6658.
- new species, Korea 1505.
new species, Mongolia, People's Rep. 8246.
new species, Nearctic Region 96.
new species, Neotropical Region 1506.
new species, Taiwan 8243.
new species, USSR 6659.
new species/check lists, Austria/Italy alpine environments 8244.
new species/new records, Korea, Dem. People's Rep. 8245.
new species/new records, Korea, Rep./Korea, Dem. People's Rep. 6656.
new species/new records, USSR 95.
nutrition 4406.
parasites 434.
parasitism 406, 432, 433, 555, 562, 1122, 1259, 1743, 2832, 2841, 2843, 3215, 3523, 3766, 4667, 4805, 5543, 5549, 6228, 6231, 6232, 6297, 6978, 6980, 6984, 7353, 7733, 7738, 7742, 9380, 9449, 9454.
parasitism *Plusia*, Brazil 2002.
parasitism *Spodoptera frugiperda* 2839.
parasitism 9517.
pathology 6840.
pathology/parasitism 280.
ploidy 3171.
population genetics 4089.
rearing 6226.
reproduction 4541, 5411.
reproductive systems 5395.
taxonomy 826, 4261, 4262, 5160, 6657, 7352, 9077, 9078.
viruses, review 4502.
- Bradysia**,
new species, USSR 6620.
- Brahmaea**,
zoogeography 7217.
- Brahmaecidae**,
zoogeography 7217.
- Brahmia**,
chemical control 6357.
- Brailovskiocoris**,
taxonomy 8219.
- Brain**,
anatomy, metamorphosis, *Sarcophaga ruficornis* 2537.
deutocerebrum, glomerulus organization, *Blaberus craniifer* 1621.
effects on lipids release, *Achaea janata* 2600.
median neurosecretory cells, ultrastructure, *Melanogryllus desertus* 4362.
medulla, vision, *Calliphora vicina* 2533.
neuroendocrine system, histology, neurosecretion, *Crynodes peregrinus* 2525.
neuroendocrine system, *Pisaura mirabilis* 3568.
neurohaemal organs, *Melanogryllus desertus* 4363.
neurons, immunochemistry, *Calliphora erythrocephala* 2587.
neurosecretion, cells, Asilidae 1726.
neurosecretion, *Lygaeus pandurus* 2629.
neurosecretion, *Poeciloceris pictus* 2520.
neurosecretion, pyrethroids effects on, *Rhodnius prolixus* 3566.
octopamine, metamorphosis, *Mamestra configurata* 2517.
optic lobes role, colour vision, *Apis mellifera* 216.
peptides, role learning behaviour, *Stagmatoptera biocellata* 3483.
proteins biosynthesis, learning, *Stagmatoptera biocellata* 3484.
regulation metamorphosis, *Manduca sexta* 1051.
regulation proboscis extension, rhythms, *Protophormia terraenovae* 940.

Brain,(continued)

role, feeding/osmoregulation, *Locusta migratoria* 217.

Brasileutulus,

new species, Gabon 149.

Brassolidae,

nerves 6761.

Braueriella phillyreae,

spermatozoa 6120.

Braula coeca,

parasitism *Apis mellifera* 5544.

Braulidae,

parasitism 5544.

Brazil,

biology/pest status Cerambycidae, *Acacia decurrens* 2060.

biting behaviour/population dynamics *Anopheles darlingi* 2048.

caves, fauna community composition/distribution 584.

check lists Amatiidae 1414.

check lists/new species Coniopterygidae 2438.

first record *Aphanognmus fijiensis* 3261.

first record *Drosophila malerkotliana* 6528.

geographical distribution *Atta* 7005.

new records *Chrysomya* 9758.

new records Gonyleptidae 4177.

new records *Gyretes* 9011.

new species Acrididae 1529, 5211.

new species Araneae 1429.

new species Bibionidae 8176.

new species Buprestidae 2303.

new species Carabidae 8121.

new species Catopidae 7271.

new species Cerambycidae 770, 772, 774, 8128.

new species Cercopidae 817.

new species Cerylonidae 3311.

new species Chrysomelidae 778, 779.

new species Cicadellidae 819.

new species Curculionidae 782.

new species Dermestidae 9009.

new species Elateridae 5857.

new species Eurytomidae 2404.

new species Gonyleptidae 26, 27.

new species Hesperidae 847, 853.

new species Ichneumonidae 829, 830, 831, 833.

new species Kalotermitidae 845, 846.

new species Lachesillidae 2442, 5966.

new species Laelapidae 5803.

new species Lygaeidae 7331.

new species Margarodidae 3369.

new species Megachilidae 835.

new species Megaspilidae 836.

new species Membracidae 93, 822, 823, 824.

new species Miridae 4245, 5911, 5912.

new species Muscidae 9049.

new species Myobiidae 758.

new species/new records Cerambycidae 8127.

new species/new records Corduliidae 6690.

new species/new records Ichneumonidae 832.

new species/new records Miridae 4246.

new species Oligoneuriidae 5133.

new species Pentatomidae 4247, 6633.

new species Perlidae 5965.

new species Phoridae 7315.

new species Pieridae 129.

new species Salticidae 7258, 8982.

new species Scarabaeidae 7295.

new species Sphaeroceridae 8197.

new species Staphylinidae 791.

new species Thomisidae 4172.

new species Torridincolidae 7302.

new species Trichogrammatidae 5943.

new subspecies *Hypothesis daphnis* 5198.

parasitism *Epinotia aporema*, *Glycine max* crop fields 432.

review/new species *Sternechus* 783.

revision/new species Proctolabinae 867.

vector-borne diseases, *Simulium* 9584.

zoogeography *Drosophila* 6527.

Brazil Amazonas,

check lists/new species Psocoptera 6697.

Brazil Curitiba,

check lists Tachinidae 1413.

Lepidoptera pests *Brassica* 562.

pest status *Psyllotoxus griseocinctus*, *Quercus* 1257.

Brennandania,

new species, Ivory Coast 5054.

Brenthis ino,

new records, Piemonte 696.

Brentidae,

genitalia 3446.

taxonomy 2302.

Brevennia rehi,

first record, Australia/Papua New Guinea 8948.

Brevicornu,

taxonomy 1372.

Brevicoryne,

new species, Iran 7334.

Brevicoryne brassicae,

cultural control 2074.

pathogenicity *Verticillium fusisporum* 3580.

toxicity insecticides 2679, 2681.

Brevipalpus lewisi,

population growth 7032.

Brevipalpus obovatus,

parthenogenesis 2151.

population dynamics/spatial distribution/natural enemies,

Solidago altissima 2949.

Brevipalpus phoenicis,

chemical control 3036.

pest status/chemical control, *Citrus*, India Himachal

Pradesh 3067.

population dynamics, environmental effects, India Varanasi

3882.

Brevipalpus pini,

feeding/pest status, *Pinus radiata* 9590.

Brevirostrum,

new genus 6603.

Briggitea civica,

first record, Czechoslovakia 7183.

Brignoliella,

new species, West Irian 8975.

Bristowia,

taxonomy 5824.

Bristowella,

taxonomy 5824.

British Isles,

check lists/taxonomy Parasitidae 7251.

first record, *Sternostoma trachealcolum* parasitism 4978.

first record *Alconota subgrandis* 7299.

first record *Brachycaudus amygdalinus* 8004.

first record *Chaetopleunophora bohmanni* 8000.

first record *Coleophora adjectella* 4988.

first record *Coleophora prunifoliae* 6489.

first record *Copipanolis styracis* 2201.

British Isles, (continued)

first record *Erigone aletris* 7996.
 first record *Furcipes rectirostris* 6470.
 first record *Gnypeta ripicola* 4983.
 first record *Halocladus brauni* 6477.
 first record *Iassus scutellaris* 5146.
 first record *Ischnomera cinerascens* 6471.
 first record *Limnephilus tauricus* 8016.
 first record *Metzneria aprilella* 8006.
 first record *Oulimnius major* 6465.
 first record *Scythris inspersella* 6492.
 first record *Simulium pseudequinum* 7316.
 first record *Strongylophthalmyia ustulata* 6478.
 first record *Teleiodes wagae* 8005.
 geographical distribution *Hypoderma* 8001.
 geographical distribution *Lithophane leautieri* 8011.
 geographical distribution *Orsodacne* 9412.
 geographical distribution *Polymerus unifasciatus* 6480.
 geographical distribution/status *Apatura iris* 4987.
 grasslands pests Arthropoda 4821.
 keys Limnephilidae larvae 1572.
 keys Phrudinae 4986.
 keys Psyllidae 2200.
 keys Syrphidae 8002.
 Lepidoptera, book 743.
 Lepidoptera larvae 3437.
 migration Lepidoptera 8009.
 new records *Acrulia inflata* 6466.
 new records *Badonnelia titei* 3191.
 new records *Cercyon granarius* 6467.
 new records *Coleophora prunifoliae* 8012.
 new records immigrants Lepidoptera 659.
 new records *Profenusa thomsoni* 6482.
 new records *Proisotoma* 6475.
 new records Syrphidae 656.
 new species Aphididae 5144.
 new species Euphoberiidae, fossils 4308.
 new species Hodotermitidae, fossils, Cretaceous 5182.
 new species Isopoda 7408.
 new species Limnephilidae 3413.
 new species Tenthredinidae 4278.
 nest status/natural enemies *Cephaloxa lariciphila* 3993.
 records *Leptinotarsa decemlineata* 3187.
 records *Papilio machaon*, history 8007.
 review *Chrysogaster* 6476.
 revision *Dendrocerus* 5937.
 revision *Phthiracarus* 3277.
 Tortricidae, book 731.
 variability/geographical distribution, *Tegenaria* 665.
British Isles, Northern Ireland, Neagh L.,
 1898.
British Isles Cheshire/ North Wales,
 check lists Oecophoridae 8010.
British Isles Cornwall,
 first record *Coleophora lassella* 8008.
British Isles Cumbria,
 first record *Notaris scirpi* 7997.
 new records Arctiidae 657.
 new records Asilidae 655.
 new records Curculionidae 2199.
British Isles Devon,
 first record *Clambus nigriclavus* 4980.
British Isles Durham/ Northumberland,
 check lists Chilopoda 6495.
British Isles England,
 first record *Nebria nivalis* 6468.
 life cycles/geographical distribution *Caenis robusta* 1096.

montane environments, geographical distribution Sepsidae 9515.

new records, aquatic environments, Coleoptera 7998.

new species Chloropidae 4229.

British Isles Essex,
 new records Nepticulidae 661.

British Isles Gloucestershire,
 first record *Oecophora bractella* 6491.

British Isles Hampshire,
 first record *Cnaemidophorus rhododactyla* 3218.

first record *Coleophora fuscocuprella* 6490.

British Isles Incheiloch I.,
 ecology/check lists Arachnida 3890.

British Isles Isle of Wight,
 first record, *Tuponia carayoni* 4985.

British Isles Kent,
 first record *Coleophora lassella* 3188.

new records Auchenorrhyncha 6481.

new records Gracillariidae 658.

new records Tettigoniidae 662.

British Isles London,
 new records *Epichoristodes acerbella* 660.

British Isles Monmouthshire,
 new records Cerambycidae 654.

new records Lepidoptera 4989.

British Isles Northamptonshire,
 first record *Wiedemannia lota* 7999.

British Isles Outer Hebrides,
 check lists, invertebrates, terrestrial environments 8897.

British Isles Scotland,
 new records Hymenoptera 4278.

new records *Pontania crassipes* 6483.

British Isles Somerset/ Avon,
 check lists Orthoptera 8014.

British Isles Staffordshire,
 first record *Platyptilia isodactylus* 6488.

British Isles Surrey,
 first record *Gyrinus urinator* 6469.

new records *Coleophora trigeminella* 3189.

new records Nepticulidae 661.

British Isles Sussex,
 first record *Silvanus bidentatus* 4979.

new records Coleoptera 4982.

British Isles Wales,
Aceria tulipae infestations, *Lolium* 9463.
 check lists Asilidae 6479.
 Snowdonia, check lists Acari 8898.

British Isles Warwickshire,
 Lepidoptera, book 739.

British Isles West Sussex,
 check lists/new records Coleoptera 4981.

British Isles Yorkshire,
 geographical distribution, history, Lepidoptera 5762.

Braxia,
 taxonomy 7346.

Brixidia,
 taxonomy 7346.

Brochymena carolinensis,
 first record, USA Missouri 7225.

Bromius obscurus,
 polymorphism, parthenogenesis, population genetics 2183.

Bruchidae,
 behaviour 8563.
 biological control 1249.
 biology 2819, 5510.
 biology/larvae 4331.

Bruchidae,(continued)

chemosterilants 2739, 7618.
 competition 1165.
 development 2882.
 host preferences, *Cassia* , taxonomic significance 478.
 hydrocarbons 9154.
 immature stages 4334.
 larvae 186, 194, 898.
 larvae, gut/Malpighian tubules 1655.
 metabolism 2588.
 new records, Iberian Peninsula 3199.
 new species, Bulgaria (People's Rep.) 41.
 nucleic acids 2140.
 oviposition 2764.
 pests 3069.
 pheromones 4603.
 reproduction 4593, 6156, 6883.
 reproductive systems, females 1785.
 taxonomy 8114.
 toxicity antilipidemic agents 9289.
 toxicity *Piper nigrum* plant extracts 6861.
Bruchidius,
 larvae/host plants 194.
 new records, Iberian Peninsula 3199.
Bruchidius obtectus,
 RNA biosynthesis, embryogenesis 2140.
Bruchinae,
 larvae 4334.
Bruchobius magnus,
 taxonomy 9074.
Bruchophagus gibbus,
 new records, Argentina 2253.
Bruchophagus roddi,
 geographical distribution/parasites, USA Kansas 3255.
 new records/overwintering/parasitism, Argentina 2253.
Bruchus,
 new records, Iberian Peninsula 3199.
Brueia parviguttata,
 first record, Spain 3236.
Brueia turdinulae,
 new records, Spain 1524.
Brullea antarctica,
 immature stages 5993.
Bryaxis,
 new species, Italy 2329.
Brycoptera,
 new genus, Ethiopian Region 6693.
Bryodema,
 new species, China, People's Rep. 7400.
Bubalus piniarius,
 pupae 5245.
Bubas,
 nest building/behaviour larvae 4632.
Bubopsis andromache,
 larvae 2480.
Bucculatricidae,
 new species, Spain 7370.
Bucculatrix,
 new species, Spain 7370.
Bucculatrix pyrivorella,
 life cycles, temperature effects 6955.
Buchonomyia,
 pupae/phylogeny 8323.
Buenoa scimitra,
Hydrachna virella -parasitism 6230.
Bulbitermes singaporensis,
 defence secretions, diterpenes 5352.

Bulgaria (People's Rep.),

check lists/new species Helodidae 8144.
 check lists Odonata 1396.
 Chironomidae 9036.
 new records Heteroptera 9732.
 new records Psyllidae 9073.
 new records Staphylinidae 9025.
 new records Lepidoptera/Diptera 7187.
 new species Braconidae 5161.
 new species Bruchidae 41.
 new species Buprestidae 5838.
 new species/new records Curculionidae 5853.
 new subspecies *Malthodes serbotae* 1441.
Bupalus piniarius,
 biological control 7094.
 population dynamics/pupation delay 1158.
Buprestidae,
 biology 3718.
 check lists, Greece 4108.
 check lists/new records, Albania 9726.
 new records, Hungary 2217.
 new records, Sweden 672.
 new species, Australia 763.
 new species, Brazil 2303.
 new species, Greece 6566.
 new species, Lao, People's Dem. Rep./Molucca Is. Seram 8115.
 new species, Palaearctic Region/Oriental Region 5838.
 new species, USA 4186.
 pests 5681.
 senses 932.
 taxonomy 1440, 4187, 5080, 5837, 8116, 8995.
 zoogeography 670.
Burma,
 new species Buprestidae 5838.
Busoniomimus,
 new species, Singapore 8236.
Busseola fusca,
 pest status/parasitism, *Saccharum officinarum* , Ghana 636.
 sex pheromone 2604.
Buthidae,
 cuticle 3457.
 nerves 3474.
 new species, South Africa 7265.
 teratology 5397.
 venom 7053.
Buthotus judaicus,
 temperature preferences 6952.
Buthus occitanus,
 circadian rhythms, activity 229.
 thermoregulation 1715.
 venom, toxicology, guinea-pigs/rabbits 292.
Butocarboxime,
 control *Tetranychus cinnabarinus* 1228.
Buzura edwardsi,
 bionomics/pest status, *Pinus patula* 7815.
Byrsothyra fumigata,
 compound eyes basement membranes 8371.
Byturidae,
 new records, Czechoslovakia 3195.
Caccobius,
 revision 2332.

- Caccodes**,
taxonomy 8117.
- Caccoleptus**,
new species, Brazil 9009.
- Caconeura**,
new species, China, People's Rep. 7399.
- Cactoblastis**,
weed control *Eriocereus martinii*, Australia 7753.
- Cadmium**,
pollution levels, *Halobates micans* 6384.
toxicity, *Tanytarsus dissimilis* 1778.
- Cadra cautella**,
biological control 3034.
- Caecanthrax**,
taxonomy 8177.
- Caeciliidae**,
new species, Australia 6698.
- Caedius**,
new species, India/Afghanistan 1463.
- Caenidae**,
energetics 4000.
life cycles 1096.
new species, USSR 5898.
- Caenis**,
new species, USSR 5898.
- Caenis robusta**,
life cycles/geographical distribution, England 1096.
- Caenobelba**,
new genus, Nearctic Region 5801.
- Caenocoris nerii**,
population dynamics, environmental factors 7018.
- Caffrolix**,
taxonomy 4255.
- Calacarus**,
new species, India 6547.
- Calamoceratidae**,
life cycles/population dynamics 1092.
new species, Australia 155.
- Calathus ascendens**,
chromosomes 9685.
- Calcarmyobia**,
taxonomy 5804.
- Calcium**,
bioaccumulation lichens/transfer Arthropoda 1162.
content, oocytes, *Galleria mellonella* 3512.
- Caledia captiva**,
intraspecific hybridization, spermatogenesis, chromosomes
pairing 4911.
population genetics, chromosomes, hybrids zones 1338.
- Calephelis muticum**,
first record, USA Kentucky 2252.
- Calicha**,
taxonomy 8263.
- Caligo beltrao**,
innervation flight muscle/heart 6761.
- Calineura californica**,
competition, interspecific interactions *Hesperoperla pacifica*,
resource utilization 3122.
- Callaphididae**,
life cycles 4650.
predation 6282.
- Callicera**,
taxonomy 8198.
- Callimicra**,
new species, Brazil 2303.
- Callimorpha dominula**,
new records, British Isles Cumbria 657.
- Calliphora**,
eye, photoreceptors pigments electrical properties 1632.
flight orientation, visual stimuli 3482.
larvae 191.
stimulation halteres effects on head movements 1644.
synapses, optic lobes, ultrastructure 2539.
water uptake, rectum, role ions 6827.
- Calliphora augur**,
ecology 8654.
- Calliphora erythrocephala**,
acid phosphatase, ecdysones induction 4413.
acid phosphatase fat body, development 4414.
brain, hormones effects on 8364.
brain, neurons, immunochemistry 2587.
dieldrin metabolism, cuticle 2590.
embryos, pole cells ultrastructure 1597.
eye, rhabdom 9177.
flight orientation, visual stimuli 2765.
muscles, hormones regulation metamorphosis 9349.
peritrophic membrane biosynthesis, polyoxins inhibition 233.
plasmatocytes, phagocytosis activity 7452.
RNA gene, cistrons 8805.
RNA gene spacer 6397.
salivary gland activity, toxins effects on 6069.
- Calliphora stygia**,
geographical distribution/phenology, New Zealand 8901.
4-en-3-onosteroids, ecdysteroids precursors 1691.
- Calliphora vicina**,
antennal chemoreceptors/labellar chemoreceptors 6766.
calliphorin biosynthesis 6034.
chemoreceptors, leg 6771.
cuticle proteins 2502.
diapause inheritance 2187.
diuresis hormones 4434.
ecdysones, fluorometry 6045.
fat body, immunochemistry, vitellogenin 2597.
haemocytes, characterization/isolation 4316.
haemocytes cell cycle 4384.
labellar chemoreceptors, taste discrimination 6769.
larvae, cuticle, phenoloxidase 6747.
vision, medulla 2533.
- Calliphora vomitoria**,
courtship behaviour 6926.
development, respiratory systems/muscles metabolism,
pupae 2695.
diel variations, habituation 8386.
motor activity, heart physiology 3491.
muscles development 4354.
- Calliphoridae**,
ageing 9294.
behaviour 3693, 6022, 6926, 9391.
cell cycle 4384.
cells 1597, 4316.
check lists, Uganda Toro Game Reserve 4136.
check lists/new records, Albania 9729.
chemical control 519, 532, 3014, 3062.
chemosterilants 1797.
chromosomes 4040.
competition 4718.
cuticle 2502, 2590, 5253.
development 4582, 5421, 9349.
development physiology 2695.
diapause 2187.
ecology 8654.
enzymes 4413, 4414, 6747.
fat body 2597, 5309, 6792.
flight 8356.

Calliphoridae, (continued)

genes 4867, 6397, 8805.
 genetic control 1261.
 genitalia 6744.
 geographical distribution/phenology, New Zealand 8901.
 glands 6069.
 head movements 1644.
 heavy metals bioaccumulation 1160.
 hormones 1691, 4434, 6045.
 immature stages 191.
 ions 983.
 locomotion 3491.
 metabolism 6043, 9217.
 muscles 923, 4554.
 mutation 4919, 8851.
 nerves 2587, 8364.
 neurosecretion 9354.
 new records, introduced species, America 9758.
 new species, South West Africa 797.
 new species/new records, New Caledonia 6604.
 oogenesis 2742, 3659.
 orientation 2765, 3482.
 osmoregulation 6827.
 parasitism 517, 1127, 2016, 2996, 8620.
 peritrophic membrane 233.
 pesticide resistance 1007, 1009, 1016, 7051, 8473.
 phagocytosis 7452.
 pigments 961.
 population dynamics 2944.
 populations 3865.
 proteins 956, 6034.
 reproduction 1844, 7634.
 rhythms 940, 8386.
 sense organs 1632, 2523, 6763, 6766, 6769, 6771, 9177.
 senses 4369, 4379, 5277, 6020, 6774.
 sex differences 4324.
 synapses 2539.
 taxonomy 3340, 4223.
 toxicity enzymes inhibitors 1599, 1766.
 traps 3422.
 vision 2533.
Callipterinae,
 occurrence/distribution/host plants, India West Bengal 2006.
Callirhopalus bifasciatus,
 chromosomes 9679.
 immature stages/host plants 7439.
Callirhytis,
 taxonomy 4264.
Callisto,
 new species, Turkey/Greece 3389.
Callisto coffeella,
 first record, France 687.
Callitroga macellaria,
 anaerobiosis, glucose/glutamate 6043.
Callomyia,
 new species, USSR 2365.
Callophrys hesseli,
 first record, USA Georgia 5784.
Callopsylla,
 new species, USSR 5967.
Callopsylla gypaetina,
 first record, Afghanistan 9719.
Callosobruchus,
 sex pheromone, interspecific interactions 4603.
Callosobruchus analis,
 biology/natural enemies 2819.

Callosobruchus chinensis,

biological control 1249.
 chemosterilants, 1,3,7-trimethylxanthine 7618.
 oviposition, thiourea effects on 6156.
 sterilization 2739.
 toxicity antilipidemic agents, eggs 9289.
Callosobruchus maculatus,
 cuticle hydrocarbons 9154.
 metabolism 2588.
 oviposition, mathematical models 2764.
 toxicity *Piper nigrum* plant extracts 6861.
Callynomes,
 taxonomy 9019.
Caloceiridius,
 new species, India 7263.
Calocoris norvegicus,
 abundance, *Fragaria* crop fields, Sweden 1956.
Caloglyphini,
 taxonomy 8962.
Caloglyphus,
 new species, USA 8962.
Calomicrus taeniatatus,
 taxonomy 7274.
Calopterygidae,
 feeding 412.
 reproduction 2913.
Calopteryx,
 sex ratios/reproduction 2913.
Calopteryx dimidiata,
 records, USA Kentucky 8942.
Caloptilia robustella,
 first record, France 687.
Caloptilia semifascia,
 first record, British Isles Kent 658.
Calosoma frigidum,
 aggregation behaviour 7721.
 pitfall traps 179.
Calotelea,
 new species/revision, Nearctic Region 842.
Calotelea ocellaris,
 taxonomy 841.
Calpodes,
 nucleoli activity, epidermis, development 1843.
Calpodes ethlius,
 Malpighian tubules development, hormones 6160.
 metamorphosis, ecdysones 4568.
Calvertiellidae,
 new species, fossils, Permian, USA 3295.
Caiptomyrmex,
 revision, Ethiopian Region 8250.
Calyptra eustrigata,
 feeding mechanisms/mouthparts 6969.
Cambala washingtonensis,
 taxonomy/new records, USA Oregon 8297.
Cambalidae,
 taxonomy 8297.
Camerobia australis,
 first record, Hungary 8903.
Cameroon (United Rep.),
 first record *Cryptopygus fasciatus* 7720.
 new species Cheyletidae 5050.
 new species Diastatidae 4231.
 new species Geometridae 851, 3386.
 new species Noctuidae 3391.
 new species Nymphalidae 3398.

Cameroon (United Rep.), (continued)

new species Saturniidae 132.

Camphector,

effects on adenosinetriphosphatase activity, plasma membranes, *Periplaneta americana* 1012.

effects on persistence methyl parathion, control *Heliothis virescens* 550.

toxicity, *Chironomus plumosus* 2676.

Campodea,

antennal chemoreceptors 5275.

dermal glands, ultrastructure 1719.

Campodea silvestrii,

cuticle, abdomen vesicles 3456.

Campodeidae,

antennal chemoreceptors 5275.

cuticle 3456.

Camponotus sonorensis,

parasitism *Heliothis virescens*, mutualism viruses 6235.

Camponotus,

behaviour/morphology adaptations 9652.

Camponotus aethiops,

arvae polymorphism/caste differentiation 1576.

Camponotus compressiscapus,

hosts, *Dicrocoelium hospes* 7843.

Camponotus femoratus,

competition *Crematogaster* 9551.

Camponotus herculeaneus,

predation on *Glaucidium passerinum* juveniles 3830.

running, energy requirements 1613.

Camponotus modoc,

orientation, trail following behaviour 6927.

Camponotus planatus,

coevolution *Costus woodsonii*, plant protection 5557.

Camponotus vagus,

earning, habitat preferences 2772.

Campoplex,

new species, Canary Is. 5171.

new species, France 4269.

Campsicnemus,

horax sclerites, taxonomic significance 2360.

Campsicnemus mirabilis,

taxonomy 2359.

Campylomma livida,

pest status/damage, *Gossypium hirsutum*, Australia Queensland 3082.

Campylosteira,

new species, Afghanistan 9066.

Campylostira sinuata,

first record, Belgium 5771.

Campylothorax,

taxonomy 9030.

Canace,

new species, Malagasy Rep. 3341.

Canacidae,

revision/new species, Malagasy Rep. 3341.

Canada,

first record *Oedemopsis scabricula* 8070.

introduced species parasites, review 8063.

xodidae parasites mammals 2242.

ukes, Plecoptera fauna 7117.

new records Acari 5781.

new records *Epidemia dorcas* 7228.

new records Tabanidae 1404.

new species Aphididae 89.

new species Aradidae 5907.

new species Braconidae 96, 97, 6657.

new species Cecidomyiidae 8179.

new species Ceraphronidae 2396.

new species Hydroptilidae 6705.

new species Keroplatidae 7311.

new species Miridae 815.

new species/new records Eulophidae 1512.

new species/new records Miridae 84, 813.

new species Pemphredonidae 103.

new species Platygastriidae 7226.

new species Pteromalidae 5179.

new species Tipulidae, fossils 7324.

new species Tortricidae 6682, 8282.

pest status *Lambdina fiscellaria* 3981.

Canada Alberta,

first record *Melanotrachis* 815.

Canada British Columbia,

introduced species *Pandemis* 8071.

Canada Manitoba,

biology/pest status *Amphipoea interoceanica* 1077.

new records Nymphalidae 716.

Souris R., ecology/pest status Simuliidae 9520.

Canada New Brunswick,

first record *Chloroclystis rectangulata* 717.

Canada Newfoundland,

first record *Tyria jacobaeae* 8940.

records/geographical distribution *Nacerdos melanura* 3248.

Canada Ontario,

geographical distribution, *Microctonus aethiopoides* 5783.

geographical distribution *Ululodes quadrimaculata* 8074.

geographical variations abundance, *Myzus persicae* 5600.

new records Cicindelidae 7220.

occurrence *Thelazia*, *Musca autumnalis* 2049.

pest status, *Macrosiphum avenae* / *Rhopalosiphum padi* 5682.

pesticide resistance, *Phyllonorycter blancardella* 2674.

pests, *Arachis hypogaea* crops 5696.

soil, check lists Acari 5781.

Canada Quebec,

Anticosti I., check lists Carabidae 8931.

biology/ecology/geographical distribution *Spharagemon* 1107.

biology/ecology/geographical distribution *Forficula auricularia* 2245.

biology/geographical distribution Coccinellidae 1225.

check lists Carabidae 2243, 6520, 6521.

check lists Coccinellidae 6522.

check lists Lepidoptera 9753.

check lists Odonata 1408.

check lists Serroalpini 8065.

first record, *Aedes mercurator* 5029.

first record *Hoplocampa testudinea* 2248.

first record *Triplax macra* 1402.

Graminae, pest status, Aphididae 4812.

Lepidoptera populations 1406.

Lycanidae/Satyridae populations 2251.

new records, Anobiidae 2244.

Nymphalidae populations 1405.

phenology/locomotor activity Carabidae 1907.

streams, population dynamics/habitat preferences/phenology

Chironomidae 580.

zoogeography/ecology Culicidae 2246.

Canary Is.,

check lists Isoptera 9721.

new species Araneae 5817.

new species Cosmochthoniidae 1422.

new species Ichneumonidae 5171.

Canary Is.,(continued)

new species/new records Pseudoscorpiones 2293.
new species Oppiidae 5805.
new species Pholcidae 4165.
new species Rhinophoridae 3355.
new species Scydmaenidae/Elateridae 5834.
new species Zoderiidae 4176.

revision/geographical distribution *Wohlfahrtia* 6617.

Cancellata,

new species, Malagasy Rep. 3387.

Candalia,

new genus, Cuba 21.

Candalides geminus,

immature stages 6729.

Cannibalism,

Paruroctonus mesaensis 3843.

Cantacader,

new species, Malawi 4250.

Cantharidae,

elytra 3445.

evolution 4098.

grasslands, food preferences 1110.

new species, Chile 4188.

new species, Palaearctic Region 1441.

new species, USA 8117.

new species, Yugoslavia 3299.

pathology 1749, 5362.

taxonomy 764, 5839.

Cantharis,

taxonomy 764.

Canthyporus,

new species, Kenya 5855.

Caparinia,

new species, Spain 1420.

Caparinia erinacet,

parasitism *Erinaceus albiventris* 9460.

Cape Verde Is.,

check lists Isoptera 9721.

new species Scelionidae 840.

Capedulia,

new species, Israel 8104.

Capitites,

taxonomy 9057.

Capniella,

taxonomy 9107.

Capniidae,

new species, USA 9106.

taxonomy 9107.

Caprithrips,

new species/new records, Australia/India/Surinam/Trinidad 152.

Caprithrips insularis,

new records, Australia/Surinam/Trinidad 152.

Capromylichus,

taxonomy/phylogeny 756.

Capsodes,

taxonomy 9062.

Carabidae,

behaviour 4708, 7682, 7721.

biology 2219, 2800, 3439.

check lists, Canada Quebec 2243, 6520, 6521.

check lists, Canada Quebec, Anticosti I. 8931.

check lists, France 8022.

check lists, France Cevennes 7188.

check lists, Tanzania Uluguru Mts. 4135.

check lists/new records, Yemen, Arab. Rep. 1368.

chromosomes 2155, 6405, 8808.

coexistence, role competition 1984.

communities 5602, 6285, 6301, 7044, 7791, 7829, 7830, 8655, 9502, 9531.

ecological genetics 1349, 8868.

ecology 484, 3821, 7809, 8669.

ecology/phenology, soil, Germany, Fed. Rep. Westphalia 3193.

energy budgets 3862.

environmental requirements, mathematical models 1183.

fauna, New Zealand Arthurs Pass National Park 9720.

feeding 5536.

food 4661.

geographical distribution/phylogeny, Ethiopian Region 1399.

habitat preferences/community composition, forests 1166.

hybrids 5747, 6440.

immature stages 5993, 8327.

insecticides toxicity 2682.

keys, Italy 6499, 6502, 6503.

larvae 1574, 1577.

life cycles 1100, 2794.

morphology 2490.

new records, British Isles England 6468.

new records, Ireland 6472.

new records, Sweden 8026.

new records, Switzerland 5000.

new records, USA New York 8069.

new records, USA Ohio 6523.

new species, Asia 3303.

new species, Brazil 8121.

new species, Colombia 3301.

new species, Crete 8998.

new species, Ethiopian Region 5081, 5082.

new species, India 44, 2304, 4191, 5841.

new species, India/Nepal 2311.

new species, Indonesia 8999.

new species, Iran 4190.

new species, Italy 1443, 5842, 5843.

new species, Korea Rep. 4189.

new species, New Zealand 2310.

new species, Pakistan 3307.

new species, Peru 768.

new species, South Africa 5083, 7269.

new species, Spain 42, 43, 3302.

new species, Tahiti 3300.

new species, Turkey 3304.

new species, USSR 7268.

new species/zoogeography, Italy 765.

new species/zoogeography, Nearctic Region 8120.

new subspecies, Belgium 3305.

new subspecies, Ethiopian Region 5085.

new subspecies, India 8119.

new subspecies, Pakistan 2308.

new subspecies, Turkey 2309.

parasitism 96.

pathology 3572.

phenology/community composition, Poland Tatra National Park 2918.

phenology/locomotor activity, Canada Quebec 1907.

phylogeny/taxonomy 766.

population dynamics/population density, seasonal variations, Poland Bialowieza National Park 2917.

predation 1174, 2945, 3871, 3984, 6290, 7789.

predation Aphididae, cereals crop fields 3823.

sound production 4482.

species composition, forests, human impact, Germany, Fed. Rep. 1176.

taxonomy 767, 1442, 2305, 2306, 2307, 3306, 5084, 5086,

rabidae,(continued)

5840, 5844, 5845, 7270, 8118, 8997, 9000.

ps 179, 9127.

ags 8346.

ags polymorphism, dispersal, selection 7983.

ogeography 4105, 6500.

rabidomemnus,

v species, Zaire 5082.

rabodes,

v species, Italy 8967.

raboidea,

ck lists, France Cevennes National Park 4106, 4107.

rabus,

ck lists, France 8022.

v species, India 4191, 5841.

v species, Pakistan 3307.

v species, Turkey 3304.

onomy 8119.

rabus baronii,

v subspecies, Pakistan 2308.

rabus canaliculatus,

onomy/new subspecies, Korea 2306.

rabus granulisparvus,

v subspecies, India 8119.

rabus hortensis,

logy 7809.

rabus problematicus,

ersal/fecundity/life cycles 1100.

rabus purpurascens,

v subspecies, Belgium 3305.

radrina,

onomy 9094.

rausius morosus,

okinetic hormone/hyperglycaemic hormone

haracterization 3546.

ora allata, ultrastructure/activity, embryogenesis 7527.

elopment/rearing 2778.

s, amino acids/ultrastructure 6119.

ermis microtubules, ultrastructure 3449.

omotion, nerves 9186.

abolism tryptophan 4422.

abolism tryptophan, development 1851.

cles, electrical properties 1612.

leus inclusions, midgut cells 1595.

ntation mechanisms 6928.

osition regulation, nerves 4572.

nology, *Plistophora dixippi* 4488.

assium urate deposition, fat body 9216.

ein biosynthesis, vitellogenesis 9359.

chromosomes 622.

logenesis 8546.

ing, biomechanics 8359.

ing, leg movements/oscillation coordination 1610.

ing, leg oscillation, rhythms 1615.

ramates,icide resistance, *Anopheles* 306.**raryl,**rol *Amrasca biguttula* 2080.rol *Heliothis zea* 3056.rol *Heliothis zea* / *Spodoptera frugiperda* 557.icide resistance, *Plutella xylostella* 570.

ation effects, nontarget organisms, streams, USA Maine

81.

city, *Chrysopa boninensis* 2787.**rofuran,**

rol Aphididae 3041.

control *Chaetocnema pulicaria* 1240.control *Daktulosphaira vitifoliae* 2083.control *Ostrinia nubilalis* 3038.residues, toxicity, *Nilaparvata lugens* 3092.**Carbohydrates,**biochemistry, metamorphosis, *Phanerotoma flavitestacea* 8420, 8421.body composition, ageing, *Phormia terraenovae* 9294.cellulose, digestion, *Oryctes nasicornis* 6781, 6786.cellulose, metabolism, *Oryctes nasicornis* larvae 6035, 6044.digestion, *Tipula abdominalis* 4405.flight metabolism, *Apis mellifera* 3513.food preferences, *Odontotermes obesus* 6060.glucose diets, effects on trehalose metabolism, *Bombyx mori* larvae 3518.glucose incorporation, lipids, fat body, *Periplaneta americana* 9201.glucose metabolism, *Pieris brassicae* 7504.glucose metabolism, role hormones, *Pieris brassicae* 3534.glucose oxidation, development, *Pieris brassicae* 9215.glucose transport, Malpighian tubules, *Locusta migratoria* 3508.glucose/trehalose, nutrition nerves, *Schistocerca gregaria* 1625.

glycogen, biosynthesis, thiourea effects, ovarioles,

Sarcophaga ruficornis 1033.glycogen, central nervous system, *Periplaneta americana* 6759.glycogen, hindgut, *Periplaneta americana* 232.glycogen, metabolism, *Callosobruchus maculatus* 2588.glycogen, metabolism, light effects on, eye, *Apis mellifera* 1630.glycogen levels, parasitism effects on, *Heliothis virescens* 3523.

glycogen storage, Insecta 1671.

glycogen storage, seasonal variations, Blattodea/Orthoptera 1687.

glycogen/trehalose metabolism, *Philosamia cynthia* 7510.levels, fat body, development, *Perillus bioculatus* 2579.

melezitose production, Aphididae 1669.

metabolism, development, *Gilpinia hercyniae* 7508.metabolism, diapause, *Pieris brassicae* 6794.metabolism, flight muscle, *Locusta migratoria* 965.metabolism, heart, *Heterometrus fulvipes* 3543.metabolism, *Polydesmus angustus* / *Oniscus asellus* 8426.sugars, effects on feeding/survival, *Empoasca fabae* 7516.sugars, food consumption/taste, *Drosophila melanogaster* 2551.sugars, food preferences, *Apis mellifera* 9445.sugars, food preferences, *Musca autumnalis* 3756.sugars, haemolymph/embryogenesis, *Dermacentor andersoni* 3511.sugars regulation, hormones, *Manduca sexta* 2561.trehalose, haemolymph levels, neurotransmitters effects on, *Periplaneta americana* 1651.**Carbon dioxide,**effects on hatching, *Ephestia* 1803.effects on heart rate, *Bombyx mori* 1652.

role host searching behaviour, Culicidae 5464.

sensitivity *Aedes*, California encephalitis virus infection

effects on 2015.

Carcelia separata,parasitism *Lymantria dispar*, Iran 433.**Carcharodus orientalis,**

geographical distribution, Hungary 2233.

- Carcinophoridae**,
new species, Ethiopian Region/Neotropical Region/Oriental Region 8172.
new species, Sarawak 5120.
- Cardiocondyla nuda**,
new records, introduced species, New Zealand 6487.
- Cardiophorus**,
new species, Canary Is. 5834.
- Cardiophorus equisetioides**,
first record, Sweden 671.
- Caribovia**,
taxonomy 3368.
- Carinomyrmosa**,
new genus, Palaearctic Region 9082.
- Carlogonus acifer**,
chromosomes, banding 8832.
- Carlogonus palmatus**,
Stenoductus carlogoni infection 6847.
- Carmelinus pilosicornis**,
taxonomy 4245.
- Carnidae**,
new species, Palaearctic Region 8173.
taxonomy 6600.
- Carolinaia**,
new species, USA 8226.
- Caroncoma**,
new genus 6603.
- Carorita limnaea**,
first record, Czechoslovakia 7183.
- Carorita paludosa**,
first record, Belgium 5765.
- Carphacis**,
taxonomy 5870.
- Carpoglyphus lactis**,
alarm pheromone 3703.
- Carpophilus**,
development/survival, environmental factors 6896.
- Carpophilus marginellus**,
first record, Belgium 5766.
- Carposinidae**,
taxonomy/review, Iberian Peninsula 848.
- Carterocephalus palaemon**,
first record, Italy Liguria 696.
- Cartoblatta**,
taxonomy 2297.
- Carulaspis minima**,
predation 1407.
- Carvalhoana**,
new genus, Mexico 82.
- Carventus**,
new species, Chile 8209.
- Caryedon gonagra**,
infestations, *Arachis hypogaea* nuts 3069.
- Cassida**,
immature stages 2475.
morphology, introduced species, Canada 5551.
- Cassida viridis**,
sense organs, antennae 9181.
- Cassidinae**,
immature stages/phylogeny 2475.
- Castes**,
caste determination, juvenile hormones, *Apis mellifera* 3675.
caste determination, juvenile hormones analogues, *Macrotermes michaelseni* 5420.
caste determination, *Melipona quadrifasciata* 5719.
caste determination, *Pheidole pallidula* 9301.
caste differentiation, methoprene effects on, *Macrotermes michaelseni* 5407.
caste differentiation, review, Hymenoptera 7911.
evolution, Isoptera 4971.
Vespa luctuosa 578.
- Castnia**,
taxonomy 5184.
- Castnia dedalus**,
biology/control 5664.
- Castniidae**,
new species, Panama 5184.
pests 5664.
- Cataglyphis bicolor**,
compound eyes, physiology 5266.
compound eyes/ocelli sensitivity 931.
photosensitivity, cuticle 4371.
taxonomy 2414.
- Cataglyphis cursor**,
parthenogenesis 9356.
- Catantopidae**,
intraspecific hybridization 1336.
new species, Japan 1530.
new subspecies, Italy 868.
- Catantops haemorrhoidalis**,
biology/ecology, Africa, West 2916.
- Catapionus**,
chromosomes 9676.
- Catapionus gracilicornis**,
parthenogenesis, diploids 7951.
- Cataplectica**,
distribution, Austria 9735.
- Catharosia**,
parasitism Lygaeidae 7743.
- Catocala**,
hatching, environmental factors 5500.
- Catocala palaeogama**,
population studies, USA Illinois 505.
- Catocala praegnax**,
new subspecies, Taiwan 8268.
- Catopidae**,
communities 5628.
ecological genetics 4967.
new species, Brazil/Sri Lanka 7271.
new species, Sardinia 9001.
new species, Spain 5087.
new species, Sweden 7267.
phenology, temperature effects 1085.
traps 9127.
- Catopsilia scylla**,
biology 4633.
- Cauchas**,
new species, Palaearctic Region 2422.
taxonomy/phylogeny 2421.
- Caudellia apyrella**,
larvae/host plants 7440.
- Cavariella**,
chromosomes 8820.
- Cavaticovelia**,
new genus 5137.
- Cavator**,
taxonomy 2288.
- Cavelerius saccharvorus**,
dispersal/reproduction, population density 1167.
- Caves**,
check lists Araneae, Alps, France/Italy 2278.
fauna community composition/distribution, Brazil 584.
Tineidae, biology/taxonomy 865.

- Cavognathidae**, taxonomy 6567.
- Cawjekelia**, new genus, Korea, Dem. People's Rep. 1536.
- Cayman Is.**, check lists/new records Spingidae 8079.
- Lepidoptera** fauna 7230.
- Odonata** fauna 9759.
- Cazierius politus**, new records, Dominican Rep. 5832.
- Cecidomyia pini**, permatozoa 6120.
- Cecidomyia serotinae**, pest status, *Prunus serotina* 5685.
- Cecidomyiidae**, behaviour 7658, 7669, 8320.
- biology** 2812.
- chemical control** 541, 3087.
- diapause** 2706.
- emergence** 1980.
- galls** 6244.
- host plants** 464, 5571.
- host plants, galls** 2874.
- infestations** 9628.
- life cycles/pests** 8603.
- mouthparts** 7441.
- new records**, Netherlands 663.
- new species**, Canada 8179.
- new species**, India 1471.
- new species**, New Caledonia 7307.
- new species**, USSR 9032.
- parasitism** 2410.
- pest resistance** *Sorghum bicolor* 3026.
- pest resistance** *Triticum aestivum* 7892.
- pest resistance** *Triticum tauschii* 7079.
- pests** 1241, 2096, 2804, 2866, 4841, 5685.
- pests** 1241, 2096, 2804, 4841, 5685.
- populations** 5601.
- reproductive systems** 6120.
- sex determination** 4053.
- survival** 4555.
- taxonomy** 1472, 8178.
- taxonomy/galls** 3342.
- Celama sorghiella**, biological control/*Entomophthora aulicae* infection 3055.
- Celastrina argiolus**, host plants 4703.
- Celebes**, new species Danaidae 8259.
- new species** Lucanidae 787.
- Celerio euphorbiae**, pupae, nucleic acids, transcription, diapause 6403.
- Celiphlebia**, new genus, Leptophlebiidae 1490.
- Celithemis verna**, first record, USA Tennessee 5037.
- cell culture**, cell lines, serological tests, Lepidoptera 3447.
- cell lines** proteins, Insecta 4424.
- chromosomes**, nucleolus organizer region, *Drosophila melanogaster* cell lines 9150.
- cycloheximide/ecdysones** effects on, *Manduca sexta* 8350.
- ermacentor** 8349.
- rosophila hydei** 9148.
- fat body, *Drosophila melanogaster* 4339.
- haemocytes/ovary cells, Lepidoptera 4338.
- imaginal discs wings, ecdysone/ecdysterone metabolism/ effects on differentiation, *Pieris brassicae* 207.
- Insecta, methodology 919.
- media, cell lines 917.
- methodology, Insecta 6715.
- nuclear polyhedrosis virus infection, Lepidoptera cell lines 9259.
- reovirus infection, *Drosophila melanogaster* 8462.
- ribosomal proteins, cell lines, *Drosophila melanogaster* 4027.
- salivary gland culture, *Chironomus tentans* 2498.
- Sarcophaga peregrina* 1592.
- Spodoptera littoralis* 4340.
- tissue culture Insecta, review 918.
- tissue culture ovary, *Bombyx mori* 2497.
- Toxorhynchites amboinensis* 9147.
- Toxorhynchites amboinensis*, arbovirus susceptibility 3448.
- Cell lines**, viruses, protein biosynthesis, Semliki Forest virus infection 9583.
- Cells**, acetylcholine receptors, Insecta, review 7451.
- amylase secretion, gut, *Bombyx mori* 2582.
- cell culture, Insecta 919.
- cell culture, media, Insecta 917.
- cell cycle, haemocytes, *Calliphora vicina* 4384.
- cell junctions, Insecta, review 7453.
- cell junctions, neurons, *Musca domestica* 925.
- cell lines, vesicular stomatitis virus infection, methionine deprivation, *Aedes albopictus* 9151.
- cell lines *Toxorhynchites amboinensis*, arbovirus susceptibility 3448.
- centrioles, spermatozoa, *Chrysopa carnea* 1055.
- cytogenetics/population genetics, Diptera/Orthoptera 1339.
- cytology/histochemistry, ovary, *Lyperosia exigua* 1784.
- detection Rickettsiales, *Drosophila melanogaster* cell lines 2501, 3452.
- disintegration, inhibition, juvenile hormones, foregut, *Galleria mellonella* 2743.
- DNA replication/transcription, novobiocin effects on, *Drosophila* 1304.
- Drosophila melanogaster* cell lines, reovirus isolation/ characterization 999.
- epidermis, microtubules, ultrastructure, *Carausius morosus* 3449.
- epidermis, nucleoli activity, development, *Calpodes* 1843.
- haemocytes, encapsulation fat body implants, *Drosophila melanogaster* 9209.
- haemocytes, haemagglutinins, opsonization, *Clitumnus extradentatus* /*Periplaneta americana* 942.
- haemocytes, phagocytosis, *Bombyx mori* 7454.
- haemocytes regulation, hormones, haematopoiesis, *Antheraea pernyi* 1690.
- heat shock proteins, *Drosophila* 3135.
- histopathology thiourea, *Sarcophaga ruficornis* 7610.
- imaginal discs wings, growth/compartments, *Drosophila* 2496.
- immune response (cell mediated) *Diplotriaena tricuspis*, Acrididae 2639.
- isolation/characterization polyribosomes, *Spodoptera frugiperda* 596.
- lethality, mutants, *Drosophila melanogaster* 623.
- meiosis, *Chorthippus* /*Oedipoda* 9682.
- meiosis, chromosomes, *Pales ferruginea* 8821.
- meiosis, chromosomes orientation, *Sciara coprophila* 9683, 9684.

Cells,(continued)

- meiosis, Cicadellidae 6406.
 microsomes, membrane turnover, lipids, *Galleria mellonella* 959.
 midgut, nucleus inclusions, *Carausius morosus* 1595.
 mitochondria, activity/biochemistry, *Pieris brassicae* larvae 3522.
 mitochondria, DNA, age effects, *Drosophila melanogaster* 8798.
 mosaicism, fate mapping, *Bombyx mori* 4865.
 neurosecretion, brain, Asilidae 1726.
 neurosecretion, brain, *Crynoides peregrinus* 2525.
 neurosecretion, brain, Geocorisae 9169.
 neurosecretion, ultrastructure/cytochemistry, pars intercerebralis/sub-oesophageal ganglion, *Hydrous triangularis* 928.
 nuclei, double-stranded RNA, *Drosophila melanogaster* 1291.
 oenocytes, embryology, *Eurygaster integriceps* 9307.
 perineural cells, glial cells, gap junctions, *Boopis microphilus* 927.
 plasmotocytes, phagocytosis activity, *Calliphora erythrocephala* / *i*Lucilia caesar 7452.
 pole cells, embryogenesis, *Drosophila melanogaster* 2499.
 pole cells, ultrastructure, *Calliphora erythrocephala* embryos 1597.
 prothoracic gland, ultrastructure, *Bombyx mori* 1732.
 salivary gland, transport purine nucleosides analogues, *Chironomus tentans* 921.
 spermatozoa cytochemistry, Acrididae 208.

Cenocorixa bifida,

Malpighian tubules secretion 4398.

Central African Rep.,

myiasis, Gasterophilidae/Oestridae, Artiodactyla/Proboscidea 2850.

new species Cixiidae 7346.

Central America,

pest status, *Spodoptera frugiperda* 8775.

Centris adani,

territorial behaviour 7668.

Centris dirrhoda,

pollination *Malpighia puniceifolia* 1938.

Centrocoris,

new species, Pakistan 809.

Centrodora,

taxonomy 5155.

Centromerus alnicola,

new records, Netherlands *Bathyphantes setiger*, new records, Netherlands 7184.

Centromerus vindobonensis,

taxonomy 8978.

Centroptella,

new genus, China, People's Rep. 5902.

Centroptilum,

distribution, Germany, Fed. Rep. 9731.

new species, Zaire 3362.

Centruroides,

venom, man, case reports 5383.

Centruroides sculpturatus,

cuticle, temperature effects 3457.

venom, effects on blood coagulation 7053.

Cephalcia lariciphila,

parasitism 9229.

pest status/natural enemies, British Isles 3993.

Cephaloleia consanguinea,

eggs, spatial distribution, relationship parasitism 4765.

Cephalotes atratus,

social organization, behaviour/morphology 9650.

Cepheidae,

new species, Neotropical Region 8963.

Cephidae,

taxonomy 4277.

Cephitinea,

immature stages 8332.

Cerambycidae,

behaviour 5494.

biological control 8757.

biology 398, 1097, 2806, 5566.

biology/pest status, *Acacia decurrens*, Brazil 2060.

check lists, Antilles 8075.

check lists, Germany, Fed. Rep. Hessen 1365.

check lists, Korea, Rep. Gwang Neung 5768.

check lists, Korea, Rep./Korea, Dem. People's Rep. 5767.

check lists, Korea, Rep. Seol-Ag-San Mt. 8024.

check lists, USA Georgia 4143.

check lists/biology, French West Indies 3259.

check lists/new records, Dominica 1411.

check lists/new records, Fenno-Scandia 8907.

check lists/revision, Lesser Antilles 1412.

chemical control 3043.

flight 3486.

grasslands, food preferences 1110.

growth 5495.

host plants 466.

immature stages 889, 890, 891, 905, 906.

life cycles 4653.

morphology 913.

new records, British Isles Wales 654.

new records, Italy 668.

new species, Argentina/Bolivia/Brazil 8128.

new species, Brazil 772, 774.

new species, Colombia 8124.

new species, Ghana 4194.

new species, Japan 2313.

new species, Kenya 8123.

new species, Mexico 773.

new species, Neotropical Region 770, 775, 9002.

new species, Nepal 4192, 4196.

new species, Oriental Region 2312.

new species, Papua New Guinea 4195.

new species, Philippines 7272.

new species, USA 8126.

new species, USSR 7273.

new species/new records, Neotropical Region 8125, 8127.

new subspecies, Spain 3308.

new subspecies, USSR 8122.

nutrition 1922.

pests 1257, 5658, 6333.

phoresy 2829.

predation 5608.

rearing 4319, 9126.

reproductive systems 2696.

taxonomy 769, 771, 1026, 3309, 4193.

toxicity diflubenzuron 1781.

zoogeography 4998.

Cerambycinac,

check lists/biology, French West Indies 3259.

Cerambyx scalaris,

taxonomy 769.

Ceraphron,

new species, Nearctic Region 2396.

Ceraphron, (continued)

- new species, Somali Dem. Rep. 2397.
taxonomy 2400.
- Ceraphronidae,**
new records, Neotropical Region 3261.
new records, Sweden/USSR 6660.
new species, Nearctic Region 2396.
new species, Somali Dem. Rep. 2397.
taxonomy 2400.
- Ceraphytidae,**
keys, Italy 36, 37, 38.
- Ceratina,**
coexistence/interspecific interactions, Japan 4728.
geographical distribution/habitat preferences, Japan 4729.
- Ceratinella brevis,**
phenology 2781.
- Ceratitidis,**
islands, sex differences 7534.
- Ceratitidis capitata,**
acylglycerols, fatty acids 254.
alcohol dehydrogenase enzyme polymorphism 4952.
brain membranes, adenylate cyclase 7460.
chemical control, review 7884.
chromosomes, recombination 7141.
development, metabolism phosphatidylcholine 7632.
eye colour mutant 7968.
fatty-acid synthetase 7499.
fatty acids metabolism 261.
fructose-bisphosphate aldolase, conformation, stability 8401.
histones 968.
infection picornavirus/reovirus 8453.
lipids metabolism 5303, 5322.
mass rearing 8303.
mating, competitive behaviour, behavioural genetics 5746.
mating behaviour 8561.
mating effects on reproductive behaviour/oviposition 1858.
orientation, attractants 9370.
population genetics, variance populations size 4084.
pupae, development, eye coloration 7417.
tearing, flight muscle damage 9334.
volatile secretions 276.
white pupae mutant 7961.
- Ceratocanthidae,**
new species, South Africa/Sumatra 776.
- Ceratocombidae,**
taxonomy 1491.
- Ceratocombus australiensis,**
taxonomy 1491.
- Ceratodesmus,**
new species, Tanzania 5221.
- Ceratognathus passaliformis,**
new records, New Zealand 6473.
- Ceratophyllidae,**
new records, Afghanistan 9719.
new records, USA Alaska 721.
new species, USSR 5967.
parasitism 2849, 4676, 8621.
pathology 7557.
pests 7066.
populations 8651.
taxonomy/zoogeography, USSR Kopet Mts. 8925.
- Ceratophyllus,**
new records, USA Alaska 721.
parasitism birds, USA Alaska 4676.
taxonomy/zoogeography, USSR Kopet Mts. 8925.

Ceratophyllus laeviceps,
population dynamics 8651.

Ceratopogon,

new species, Germany, Fed. Rep. 63.

Ceratopogonidae,

- behaviour/ecology 8712.
biology 6200.
biology/ecology 2013.
chemical control 2977.
communities 5595.
ecology 1975, 3019, 4864, 8672.
feeding 6963.
fertility 1848.
host selection 1124.
immature stages 7240.
mouthparts 8322.
new records, Spain 5005.
new records/new species, India 8180.
new species, Chile 4224.
new species, Germany, Fed. Rep. 63.
new species, Haiti 3343.
new species, Japan 3345, 5122.
new species, Malaysia/Thailand 8181.
new species, New Zealand 2351.
new species, South Africa 3344, 5878.
new species, Zaire 5121.
new species/biology, USA 1473.
parasitism 6544.
Peaton virus, characterization, *arbovirus* 1208.
pest control/repellents 9236.
pests 4781, 8695.
populations 9115.
pupae 184.
rearing 1887, 4326.
reproduction 8489, 8539.
rhythms 3487, 8435.
sampling 8308, 8315.
taxonomy 9035.
traps 876, 4844.
vector-borne diseases 2072, 3922, 4794, 7070, 9578.
vectors 3023.

Ceratopipia,
new species, USSR 5807.

Ceratopsylla borealis,

first record, Afghanistan 9719.

Ceratostenes arabicus,

pollination *Ficus sycomorus* 3776.

Ceratotrupes,

keys 5864.

Cerceris,

nests/prey 8682.
new species, USSR 105.

Cerceris antipodes,

nests, social behaviour 4847.

Cerceris watlingensis,

nesting behaviour 5717, 7710.

Cerceris zonata,

nesting behaviour/behaviour, nesting behaviour, *Cerceris zonata* 8586.

Cercopidae,

- development 1035, 1036.
ecology 3871.
life cycles 2805.
new species, Brazil 817.
new species, Polynesia 7336.
new species, Solomon Is. 6641.
pathology 6087.

Cercopidae,(continued)

population genetics 639, 3169.

vector-borne diseases 9588.

Cercyon,

succession, cattle dung 496.

Cercyon granarius,

new records, British Isles 6467.

Cerdistus erythrurus,

first record, Czechoslovakia Bohemia 1371.

Cermatulus nasalis,development/predation *Paropsis charybdis* 6935.**Cerna,**

new species, Turkey 6648.

Ceroceracis,

new species, Neotropical Region 1529.

Cerodontha,

new species/new records, Hungary 1470.

Ceroplastes ceriferus,

hatching, environmental factors 5408.

secretion, diterpenoids/sesterterpenoids characterization 9256.

Ceroplatus,

taxonomy 9045.

Cerotoma trifurcata,

life cycles/transmission bean pod mottle virus 7096.

population levels, diurnal variations 1159.

Cerura verbasci,

new records, France Ardeche 688.

Ceruraphis eastopi,

taxonomy 9067.

Ceryleuxestus,

new species, Brazil 3311.

Cerylon,

new species, Nepal 3311.

taxonomy 3310.

Cerylonidae,

new species, Brazil/Nepal/Zaire/Angola 3311.

new species, Ivory Coast 3310.

taxonomy 5835.

Cesonia,

revision, America 5820.

Cestoda,*Hymenolepis*, recovery-mebendazole inhibition, *Tribolium confusum* 2047.*Hymenolepis diminuta*, population density, water balance*Tenebrio molitor* 4491.*Taeniarhynchus saginatum* eggs, dispersal, role Insecta,

review 3013.

Cethosia penthesilla,host plants, *Adenia heterophylla* 6948.**Cetonia,**

keys, Greece 3198.

Cetoniidae,

parasitism 2831.

Ceuthorhynchidius horridus,

biology, bibliography 7870.

2,4-D toxicity/effects on survival 1008.

Ceutorhynchoides,

new species, China, People's Rep. 8138.

Ceutorhynchus,

development 9300.

new species, Turkey 8138.

Ceutorhynchus angulicollis,

first record, France Alsace 4994.

Ceutorhynchus assimilis,

cuticle lipids 3455.

Ceutorhynchus hirtulus,

first record, British Isles Cumbria 2199.

Ceutorhynchus quadridens,pest status/chemical control, *Brassica napus*, England 3035.**Ceutorhynchus trimaculatus,**

geographical distribution/host plants, Palaearctic Region 9725.

Chactidae,

behaviour 3691.

Chad,biometrics, *Apis mellifera* 9133.first record *Derovatellus macrocolus* 2319.**Chaetagenia bella,**

taxonomy 9050.

Chaetetus longiceps,

geographical distribution, Australia 5797.

Chaetobacanius,

new species, Sri Lanka 1454.

Chaetocnema,

new species, Bagaman Is. 45.

Chaetocnema pulicaria,

chemical control 1240.

Chaetodactyla,

new species, Malagasy Rep. 4207.

Chaetophorus,

taxonomy 8228.

Chaetopleunophora bohemanii,

first record, British Isles 8000.

Chaetoprocta,

new species, Nepal 6672.

Chaetopsylla matina,

first record, Poland Tatra Mts. 2240.

Chaetosiphon,pest resistance *Fragaria chiloensis* 1936.**Chaetosiphon jacobi,**

vectors plant viruses 9481.

Chaetosomatidae,

new species, Malagasy Rep. 3312.

Chaetotaxy,*Brachyptera braueri* / *Perlodes microcephalus* larvae 353.**Chagasia,**

types, America, review 2357.

Chaitophoridae,

mutualism 6282.

Chaitophorus,

new species, Iran 7334.

Chaitophorus indicus,

taxonomy 8229.

Chalarus,

parasitism Cicadellidae 7747.

parasitism Typhlocybinæ 430.

phenology 4630.

Chalceopla,

taxonomy/phylogeny 2421.

Chalcididae,

behaviour, environmental effects 1072.

new records, Finland 3216.

nutrition 9206.

parasitism 434, 1074, 3255.

rearing 1539.

taxonomy 8247.

Chalcidoidea,

check lists/hosts, economic importance, South Africa 9074.

courtship/mating behaviour 3687.

- Chalcodermus aeneus*,
sex differentiation 4336.
- Chalcodes*,
new species, Malaysia 2325.
- Chalcoscirtus*,
new species, Austria/Czechoslovakia 4168.
new species, Nepal/USSR 4169.
- Chaleposa*,
revision 6559.
- Chalicodoma*,
new species/new records, Ethiopian Region/Israel 5935.
- Chamaemyia flavicornis*,
taxonomy 6605.
- Chamaemyiidae*,
redation 1093.
taxonomy 6605.
- Chamaesphexia*,
sympatric populations, Austria 9529.
- Chamaesphexia alysoniformis*,
ecology/host plants 5482.
- Chamobates*,
new species, Morocco 6540.
- Channel Is. Jersey*,
biogeography, palaeoecology Coleoptera 725.
- Chaoboridae*,
behaviour 4859.
diet 1658.
metabolism 3532.
new species, Japan 1474.
nutrition, *Chaoborus trivittatus*, food assimilation,
environmental factors 5288.
orientation 3698.
parasitism 2834.
populations 4861.
redation 3752, 4862, 7813.
reproduction 4519.
- Chaoborus*,
colonization/anti-predator behaviour 4859.
diet 1658.
redation, food selection 3752.
redation effects on Crustacea community structure, lakes
7813.
- Chaoborus flavicans*,
reproductive behaviour/reproductive systems/eggs 4519.
- Chaoborus punctipennis*,
larvae, phototaxis 3698.
- Chaoborus trivittatus*,
food selection, review 4862.
metabolism 3532.
vertical migration/energy budget 4861.
- Charaxes*,
new species, Nigeria 127.
taxonomy 3397.
- Charaxes jasius*,
first record, Crete 4124.
- Charaxes marieps*,
life cycles/host plants 9403.
- Charipinae*,
taxonomy 2402.
- Charips microcera*,
taxonomy 2402.
- Charis carteri*,
taxonomy 5204.
- Chariopus*,
new species, Algeria 5165.
- Chasmatonotus*,
new species, Japan 2355.
- Chastomera*,
new species, USSR 9032.
- Chatham Is.*,
new species Cavognathidae 6567.
- Chathamidae*,
life cycles 2796.
- Chatia*,
new species, USA 5814.
- Chauliognathus pennsylvanicus*,
pathogenicity *Entomophthora lampyridarum* 5362.
sexual selection/pair bond evolution 4098.
- Chazara briseis*,
new subspecies, Spain 2420.
- Cheliosia*,
new species, fossils, amber 5897.
new species, Israel/Turkey 8199.
taxonomy 9053.
- Cheiridiidae*,
new species, fossils, Dominican Rep. 8988.
- Chelrocerus*,
taxonomy 2359.
- Cheletogenes ornatus*,
morphology 7431.
- Cheletoides*,
new species, Zimbabwe 5052.
- Chelidurella*,
new species, Austria 1466.
- Chelinidea*,
new species, Mexico 8211.
- Chelodesmidae*,
new species, Colombia/Ecuador 8298.
- Chelonus*,
natural enemies, USA 8613.
- Chelonus blackburni*,
parasitism *Earias vitella* / *Corcyra cephalonica* 2843.
reproduction, hosts age/population density effects on 5543.
- Chelonus heliopae*,
biological control *Spodoptera litura* 555.
- Chelonus inanitus*,
immature stages/taxonomy 6733.
parasitism *Spodoptera exigua*, Israel 1122.
parasitism *Spodoptera litoralis*, competition *Microplitis*
rufiventris 6228.
- Chelonus insularis*,
parasitism *Spodoptera praefica*, ecology 1993.
- Chelyopsocus*,
new genus, Italy 6700.
- Chemoreceptors*,
vinblastine, lumicolchicine/effects on colchicine sense
organs, *Phaenicia serricata* 1628.
- Chemosterilants*,
apholate effects on neurosecretion/oogenesis, *Dysdercus*
koenigii 3633.
apholate/metapa, *Apion corchori* 344.
benzylphenols, effects on reproduction, *Musca domestica*
9330.
bisazir, *Anthonomus grandis* 6132.
bisazir/penfluron effects on competitiveness, *Anthonomus*
grandis 2059.
colchicine sterilization *Chrysomya megacephala* 2712.
Culicidae 2710.
diflubenzuron, *Anthonomus grandis* 9340.
diflubenzuron, *Callosobruchus chinensis* / *Anthonomus*
grandis 2739.
effects on reproductive success, *Dacus cucurbitae* 8534.
hempa, *Cimex hemipterus* 6138.

Chemosterilants,(continued)

- metepa, effects on cytology/sterility, *Dermacentor variabilis* 7598.
 metepa, effects on development, *Dermacentor variabilis* 8514.
 sterilization, *Pectinophora gossypiella* 9338.
 tepa/shikonin, effects on acid phosphatase activity, *Aedes aegypti* 250.
 tepa/thiotepa, effects on haemolymph, *Dysdercus koenigii* 3490.
 thiourea, effects on RNA biosynthesis, oogenesis, *Sarcophaga ruficornis* 3639.
 thiourea, histopathology/effects on spermatogenesis, *Sarcophaga ruficornis* 7610.
 toxicity *Popillia japonica* 337.
 triethylenephosphoramidate, *Dysdercus koenigii* 2738.
 1,3,7-trimethylxanthine, *Callosobruchus chinensis* 7618.
Chermes fusca,
 taxonomy 5153.
Chernetidae,
 new species, El Salvador 3292.
 new species, fossils, Dominican Rep. 2294.
 new species, Mexico 3293.
 new species, US Virgin Is. 28.
Chematopsyche,
 vertical distribution, drift, rivers 7119.
Chematopsyche analis,
 larvae, mouthparts 237.
Cheyletidae,
 morphology 7431.
 new species, Belgium/Israel/Switzerland 6545.
 new species, Cameroon (United Rep.). 5050.
 new species, Ethiopian Region 5051, 5052.
Cheyletiella,
 dermatitis, man 2979.
 parasitism domestic animals/man, Japan 3001.
Cheyletiella parasitivorax,
 first record, Mexico 3257.
Cheyletiella yaguri,
 eggs ultrastructure 7446.
Cheyletiellidae,
 eggs 7446.
 new records, Mexico 3257.
 parasitism 2979, 3001.
Cheyletus,
 new species, Belgium/Israel/Switzerland 6545.
 population levels, aeration effects on 7008.
Chiapacris,
 new genus, Mexico 144.
Chiasmus arori,
 chromosomes 6406.
Chiasognathus,
 new species, Chile 2325.
Chilades,
 taxonomy 854.
Chile,
 new records *Stenophragma* 1481.
 new species Apidae 825.
 new species Aradidae 8209.
 new species Asterolecaniidae 4252.
 new species Cantharidae 4188.
 new species Ceratopogonidae 4224.
 new species Cicadellidae 2391.
 new species Leptophlebiidae 2380.
 new species Lucanidae 2325.
 new species Lycosidae 8980.
 new species/new records Aphididae 1496.
 new species/new records Scolytidae 1462.
 new species Pygmephoridae 8102.
 new species Staphylinidae 9024.
 new species Tortricidae 5208.
 zoogeography Coleoptera communities 5791.
Chilo,
 cuticle tanning/muscles attachments 4333.
 gut 2573.
 larvae, gut amino acids 2569.
 occurrence/mortality, crop residues 3988.
 parasitism 6227.
 pest status/parasitism, *Saccharum officinarum*, Ghana 6368.
Chilo agamemnon,
 population dynamics/pest status, Israel 3850.
Chilo auricilius,
 bionomics 8572.
 chemical control 4819.
 parasitism 4670.
Chilo partellus,
 antifeedants, *Sorghum bicolor* 2885.
 biological control 8668.
 chemical control 2061.
 damage *Zea mays*, planting date effects on 1259, 2898.
 larvae, dispersal 6111.
 natural enemies/integrated control 1996.
 oviposition/ovipositor sensilla 6017.
 pest resistance *Zea mays* 2888, 7756, 7773.
 radiation (γ) effects on development/reproduction 6152.
 vitamin E, effects on fecundity 8415.
Chilo saacharthphagus,
 mating/pheromone emission, wind effects on 9369.
Chilo suppressalis,
 mating, humidity/temperature effects 2730.
 mating behaviour, environmental factors 7616.
 sex pheromone, communication disruption 8430.
Chilomenes sexmaculata,
 embryogenesis, amino acids 3624.
Chilopoda,
 behaviour 6008.
 check lists, USA Illinois 5790.
 communities 4769.
 community composition/habitat preferences, forests, USA/Ohio 509.
 zoogeography 6495, 9756.
Chimarra,
 new species, Thailand 1533.
China, People's Rep.,
 geographical distribution *Papilio* 5200.
 migration/pest outbreaks *Cnaphalocrocis medinalis* 479.
 new species Acerentomidae 5216.
 new species Acrididae 141.
 new species Acrididae/Pamphigidae 7400.
 new species Baetidae 5902.
 new species Chrysomelidae 5846.
 new species Delphacidae 91, 5150.
 new species Diaspididae 92.
 new species Geometridae 8265.
 new species Harpagophoridae 870.
 new species Hystrichopsyllidae 151, 5217.
 new species Ixodidae 7248.
 new species Laelapidae 7249.
 new species Lasiocampidae 6674.
 new species Lucanidae 787.
 new species/new records Aphididae 86.
 new species/new records Lasiocampidae 5191.

na, People's Rep.,(continued)

- species/new records Tenuipalpidae 14.
- species/new records Tetranychidae 15.
- species/new records Vespidae 9087.
- species Nitidulidae 5835, 7290.
- species Onychiuridae 62.
- species Pamphiliidae 7361.
- species Protoneuridae 7399.
- species Ptinidae 1459.
- species Rhinotermitidae 2416.
- species Scarabaeidae 5111.
- species Staphylinidae 5871, 5872.
- species Tachinidae 5131.
- species Tenuipalpidae 13.
- species Tetranychidae 5058.
- species Vermipsyllidae 5218, 7406.
- na, People's Rep. Tibet,
 - species Acrididae 8289.
- na, People's Rep. Xinjiang Uighur,
 - check lists Arcticoidea 8057.
- nobius,
 - species, USSR 1535.
- onaema,
 - species, Comoro Is. 8258.
- onanthobius,
 - species, USA 8140.
- onea,
 - species, Austria 9059.
- onodes fumatella,
 - record, Ireland 8013.
- racanthium diversum,
 - abundance/distribution, Australia Queensland 7793.
 - version/spatial distribution, *Gossypium hirsutum* crop fields 8689.
- racanthium mildei,
 - cycles/development 7686.
 - ulation dynamics, prey density effects on 7810.
 - ulations, orchards, Israel 5632.
- ridopsis,
 - ature stages 2475.
- ronomidae,
 - gens 2055.
 - no acids 8414.
 - nnae 9153.
 - viour 6211, 7108.
 - ogical control 4780, 7076.
 - gy 7716.
 - 921.
 - k lists, Spain 5006, 8033.
 - k lists/new records, Italy 4111.
 - k lists/pollution effects, Lambro R., Italy 2117.
 - mosomes 1316, 1317, 1321, 4038, 4046, 4047, 4059, 486, 4894, 4908, 6404, 6412, 6413, 7149, 8815, 8831, 9678.
 - mosomes, taxonomy/phylogeny 612.
 - nization/community composition, Liptovska Mara reservoir, Czechoslovakia 1274.
 - munities 8790.
 - munities, Baldwin L., USA Illinois 7111.
 - munty composition, Nida R., Poland 7110.
 - munty composition, streams, agriculture land use effects 2113.
 - ol 2987.
 - opment 8516.
 - gy 4001, 4864, 8672.
 - gy/life cycles 8788.
 - gyology 7590.
 - gence, environmental effects, streams, Germany, Fed. Rep. Bonn 1275.
 - energetics 4000.
 - enzymes 257.
 - fauna/new records, Finland Lovisa 7114.
 - feeding 8608.
 - flight, sound characteristics, taxonomic significance 76.
 - genes 4017, 4473.
 - genitalia/taxonomy 911.
 - glands 1729, 5308, 7935.
 - haemoglobin 943, 944, 945.
 - hormones 8857.
 - hypersensitivity man 3025.
 - immature stages 6728.
 - immature stages/phylogeny 8323.
 - indicator organisms, sediments, Lake Washington, USA 4854.
 - interspecific relationships Bivalvia 1282.
 - larvae, morphology/taxonomy/phylogeny 902.
 - life cycles 1898.
 - metabolism 3527.
 - morphology 3347.
 - morphology, terminology 181.
 - mutation 4926, 4927.
 - mutualism 8657.
 - new records, British Isles 6477.
 - new records/check lists, Italy 674.
 - new records/community composition, Poland 7916.
 - new records/ecological distribution, USSR Adzhar 7925.
 - new species, Germany, Fed.Rep. 6606.
 - new species, Greenland 67, 7308.
 - new species, India 69, 4227.
 - new species, Italy 4225.
 - new species, Japan 2355.
 - new species, New Zealand 2351.
 - new species, Norway 70.
 - new species, Tahiti 4226.
 - new species, USA 66, 1475, 4228, 6607.
 - new species, USSR 72, 5880.
 - new species/new records, Argentina 3346.
 - nucleic acids 602, 4016, 4028, 4872, 4879, 9665, 9670.
 - numerical taxonomy 64.
 - nutrition 2688.
 - parasitism 2834.
 - pathology 990, 8457.
 - pests 5647.
 - phoresy 3120, 7731, 9447.
 - pollution effects 2687.
 - pollution effects/predation 9530.
 - pollution indicators, Lyna R., Poland 7919.
 - polytene 8830.
 - population density, lakes, USA California 1278.
 - population density/community composition, seasonal variations, environmental factors, lakes, Canada 581.
 - population dynamics 6387.
 - population dynamics/habitat preferences/phenology, streams, Canada Quebec 580.
 - population genetics 2192.
 - population levels, lakes, Japan 1991.
 - populations 9657.
 - populations, larvae, spatial distribution, paddy fields 1186.
 - proteins 3495, 3510, 3524, 4022, 6125, 7480, 7481, 7482, 9199.
 - pupae, morphology/taxonomy/phylogeny 901.
 - Rep.), Bulgaria (People's 9036.
 - reproduction 7644.
 - respiratory systems 2558, 7483.
 - rhythms 5508.

Chironomidae, (continued)

- ribonucleoproteins 2123.
sex determination 620.
taxonomy 65, 68, 71, 798, 799, 3348, 5123, 5879, 5881, 6608.
taxonomy/phylogeny, use electron microscopy (scanning) 174.
tissue culture 2498.
toxicity campheclor 2676.
toxicity heavy metals 1778, 6853.
toxicity industrial pollution 1006.
toxicity insecticides 6852, 7856.
toxicity methoxychlor 9285.
- Chironomus.**
chromosomes 612.
chromosomes, double-stranded DNA 4872.
chromosomes, evolutionary genetics 4886.
chromosomes, polytene 4046.
chromosomes banding 9678.
chromosomes banding, evolutionary genetics 6404.
chromosomes puffing 8815.
chromosomes puffing, neomycin effects on 4059.
larvae, seasonal variations abundance 6387.
pathogenicity entomopox virus 990.
polytene chromosomes 8831.
respiratory systems, functional morphology 7483.
sex determination, chromosomes regions 620.
taxonomy 65.
taxonomy/keys 71.
toxicity insecticides 7856.
ultrastructure antennae 9153.
- Chironomus albiceps,**
taxonomy 3347.
- Chironomus anthracinus,**
life cycle, environmental effects *British Isles, Northern Ireland, Neagh L.* 1898.
life cycles, environmental effects, Neagh L., British Isles Northern Ireland 1898.
- Chironomus calligraphus,**
first record, Argentina 3346.
- Chironomus decorus,**
biological control 7076.
toxicity insecticides 6852.
- Chironomus imicola,**
drought tolerance/survival, pools 4864.
food availability, *Ptychadena anchietae* effects on 8672.
- Chironomus ktiensis,**
population levels, lakes, Japan 1991.
- Chironomus nuditaris,**
heterochromatin mutants 4926, 4927.
- Chironomus pallidivittatus,**
chromosomes, Balbiani rings 4038.
- Chironomus plumosus,**
toxicity campheclor 2676.
- Chironomus stigmatensis,**
population genetics, enzyme polymorphism 2192.
- Chironomus tendipes,**
toxicity heavy metals 6853.
- Chironomus tentans,**
Balbiani rings, DNA content/compaction 4016.
Balbiani rings, RNA, messenger activity 4028.
Balbiani rings, RNA, polyadenylation 602.
chromosomes puffing, relationship RNA biosynthesis 9670.
heat shock proteins, biosynthesis 9199.
larvae, pollution effects pesticides 2687.
protein biosynthesis, Balbiani rings 4022.
RNA gene structure 4017.
- salivary gland, transport purine nucleosides analogues 921.
salivary gland chromosomes, ecdysones binding 8857.
salivary gland culture, methodology 2498.
salivary gland secretion, Balbiani rings gene expression 4473.
toxicity industrial pollution 1006.
- Chironomus thummi,**
ATPase (Na + K activated), characterization 257.
chromatids, structure 6412.
chromosomes, Balbiani rings 4894.
chromosomes, mechanical properties 1316, 1317.
chromosomes, proteins/chromosomes, proteins, *Chironomus thummi* 7149.
chromosomes, puffing 6413.
erythrocyte 7480, 7481, 7482.
erythrocyte, amino acid sequence 8414.
erythrocyte, amino acid sequence 3510, 3524.
haemoglobin, amino acid sequence 3495.
haemoglobin, haem isomers 943, 944, 945.
larvae, ethanol biosynthesis, anaerobiosis 3527.
repetitive DNA/chromosomes segments duplication 9665.
salivary gland, glycoproteins/proteins content 1729.
salivary gland, uridine metabolism 5308.
sugars effects on longevity 2688.
- Chironomus valkanovi,**
chromosomes 4908.
- Chirothecia,**
new species, Brazil 7258.
- Chirozetes amurensis,**
taxonomy 1448.
- Chitin,**
biosynthesis, *Heliothis zea* pupae 3453.
- Chivaenius,**
new genus, USSR 1453.
- Chlaenius,**
new species, India 44.
- Chlaenius costulatus,**
new records, Sweden 8026.
- Chlaenius rayotus,**
predation *Hyblaea puera* 7789.
- Chliarta othona,**
new subspecies, Sipora I. 113.
- Chlordiormform,**
+ *Bacillus thuringiensis* /baculovirus, control *Heliothis* 3956.
toxicity, mechanism, *Spodoptera littoralis* 1757.
- Chloriona,**
new records, Turkey 2226.
- Chlorita,**
new species, Uganda 5922.
- Chloroclystis rectangulata,**
first record, Canada New Brunswick 717.
- Chlorocyphidae,**
chromosomes 1319.
- Chlorolestes fasciata,**
melanism, South Africa Transvaal 5750.
- Chlorolestidae,**
ecological genetics 5750.
- Chloromethiuron,**
toxicity/metabolism, *Boophilus microplus* 313.
- Chloropepla,**
new species, Brazil 6633.
- Chloroperliidae,**
new species, USA 5213.
- Chloropidae,**
new species, British Isles England 4229.
new species, Mongolia, People's Rep. 5124.
new species, Palaearctic Region 8184.

Chloropidae, (continued)

new species, USSR 8182.
 pest resistance *Avena* 6996.
 pests 551.
 phenology 5518.
 taxonomy 795, 6609, 8183.
Chlorostyrmox,
 taxonomy 5195.
Chloropyrifos,
 pesticide resistance, *Culex quinquefasciatus* 1772.
Chonocephalus,
 new species, Panama 2364.
Choragus,
 new species, Kenya 6565.
Choreutidae,
 overwintering 6192.
 taxonomy 7371.
Choreutis,
 taxonomy 7371.
Choriotepes bovis,
 chemical control 2029.
Choristoneura,
 associated Insecta, conifers forests, USA 3859.
 larvae, association Insecta 6287.
 taxonomy 8279.
 toxicity acephate 6860.
Choristoneura conflictana,
 sex pheromone 4463.
Choristoneura diversana,
 spatial distribution, mathematical models 8659.
Choristoneura fumiferana,
 antennae chemoreceptors, sex pheromone response, juvenile
 hormones analogues effects on 221.
 attractants, biological activity (E)-9-dodecen-1-yl formate
 262.
 biological activity (E,E)-9,11-tetradecadienal/Z9,E11-
 tetradecadienal 4440.
 biological control 3091, 6363, 7100.
 control, review 5700.
 cuticle phenols 1606.
 damage conifers, pest outbreaks 5712.
 damage *Pseudotsuga menziesii*, estimation, computer
 programs 2077.
 distribution/survival, mathematical models, plants/
 environmental effects 2961.
 estimation population levels 5232.
 fecundity assessment, methodology 5227.
 growth regulators 6147.
 haemocytes 3492.
 mating behaviour, pheromones effects on 8558.
 mouthparts, chemoreceptors 1637.
 pest control, conference 3262.
 pest status/pest outbreaks, Canada Quebec 7105.
 pesticide resistance diflubenzuron, mechanisms 3605.
 pheromone traps 9235.
 populations, sampling, methodology 5236.
 sex pheromone, concentration 2605.
 sex pheromone response, juvenile hormones 4377.
 toxicity L 7063 5387.
 viruses/bacteria infection effects on calcium/potassium levels
 2648.
Choristoneura murinana,
 attractants, (Z)-11-tetradecenylacetate 979.
 sex pheromone/pheromone traps 1702.
Choristoneura occidentalis,
 absorption/metabolism diflubenzuron 5380.

toxicity acephate/carbaryl 6092.

Choristoneura pinus,

population studies/mathematical models infestations, *Pinus
banksiana* 1999.

Choristoneura rosaceana,

chemical control/pheromone traps 2098.
 sex pheromone specificity/sampling 977.

Choroterpes,

new species, Morocco 8206.

Chorrera extrinca,

larvae/host plants 7440.

Chorthippus,

DNA content 8806.

meiosis 9682.

Chorthippus brunneus,

enzyme polymorphism 9702.

enzyme polymorphism, heterozygosity 7980.

Chorthippus vagans,

new records, Germany, Fed. Rep. Rheinland 4134.

Chortoglyphus arcuatus,

parasitism horses, hypersensitivity 7860.

Chortoicetes terminifera,

chemical control 7873.

diapause, soil moisture/temperature effects 1808.

diapause induction, eggs 7597.

eggs, diapause, environmental factors 5400.

migration 2911.

Chresmoda,

locomotion/surface tension, mathematical models 8949.

Chresmodidae,

locomotion 8949.

Chromatolulus,

new species, Turkey 4307.

Chromatomyia,

new species, Palaearctic Region/Nearctic Region 2352.

Chromosomes,

Acari 3183.

Acheta domestica 5733.

Acrididae 4058, 5960, 7145.

Agrodiaetus humedasa 6414.

Anopheles 3148.

Anopheles aconitus 3150.

Anopheles dirus 7144, 8829.

Aphididae 8820.

Atractomorpha similis 4923.

Balbani rings, *Chironomus pallidivittatus* 4038.

Balbani rings, *Chironomus thummi* 4894.

banding, *Aedes aegypti* 4056.

banding, *Anopheles stephensi* 7947.

banding, *Carlogonus acifer* 8832.

banding, *Chironomus* 9678.

banding, *Culiseta longiareolata* 1315.

banding, *Drosophila melanogaster* 616, 4041.

banding, *Drosophila virilis* 3141.

banding, evolutionary genetics, *Chironomus* 6404.

behavioural genetics, foraging behaviour, *Drosophila*

melanogaster 4942.

behavioural genetics locomotor activity, *Drosophila*

melanogaster 2173.

Bilobella aurantiaca 6417.

Bombyx 8810.

Boophilus 7646.

Bothriuridae 614.

Calathus ascendens 9685.

Callirhopalus bifasciatus 9679.

Catapionus 9676.

Chromosomes, (continued)

- cell division, mechanisms/ultrastructure, Apidae 4050.
Chironomus 71.
Chironomus valkanovi 4908.
 chromatids, structure, *Chironomus thummi* 6412.
 chromatin organization, meiosis, *Bombyx mori* 1310.
 chromatin replication, imaginal discs, *Drosophila nasuta* 8827.
 chromosome aberrations, acid phosphatase enzyme polymorphism, *Drosophila pseudoobscura* 7161.
 chromosome aberrations, amylase enzyme polymorphism, *Drosophila* 7163.
 chromosome aberrations, *Drosophila kikkawai* 7152.
 chromosome aberrations, *Drosophila melanogaster* 4057, 8834.
 chromosome aberrations, effects on population dynamics/reproductive success, *Tetranychus urticae* 8526.
 chromosome aberrations, genetic control-*Anopheles albimanus* 8707.
 chromosome aberrations, geographical distribution, India, *Anopheles stephensi* 9710.
 chromosome aberrations, hybrid dysgenesis, *Drosophila melanogaster* 4054.
 chromosome aberrations, inversions, *Drosophila* 4893.
 chromosome aberrations, meiosis, *Gomphocerus sibiricus* / *Pyrgomorpha conica* 8822.
 chromosome aberrations, population genetics, *Drosophila subobscura* 4957.
 chromosome aberrations, population genetics, *Drosophila melanogaster* 4969.
 chromosome aberrations, radiation (γ), *Philosamia ricini* 2723.
 chromosome aberrations, radiation (neutron), *Delia antiqua* 5735.
 chromosome aberrations, radiation (X), *Drosophila* 334.
 chromosome aberrations, reproduction competitiveness, *Culex tritaeniorhynchus* 4941.
 chromosome aberrations, translocations, embryos, *Blattella germanica* 4895.
 chromosome aberrations, translocations, heterochromatin effects on, *Drosophila melanogaster* 1313.
 chromosome aberrations, translocations heterozygotes, *Blattella germanica* 4912.
 chromosome aberrations effects on dispersal/survival *Culex tarsalis* 1199.
Chrysolina/Oreina 8824.
 Chrysomelidae 5734.
 Cicadellidae 4036, 6406.
 Cicindelidae/Carabidae 6405.
 Coccinellidae 4888.
 complex association, *Reticulitermes lucifugus* 4091.
 crossing-over, radiation effects on, *Drosophila melanogaster* 3655.
 Curculionidae 609, 7948.
Dacus 4889.
 diploids, males viability, *Bracon hebetor* 3171.
 diploids, parthenogenesis, *Catantopus gracilicornis* 7951.
 diploids, X chromosome, *Drosophila melanogaster* eggs 3144.
 dispersal/survival 1199.
 DNA, *Rhynchosciara americana* 4884.
 DNA organization, *Sciara coprophila* 601.
 DNA repetitive sequence, *Drosophila melanogaster* 7933.
 DNA replication, *Warramaba virgo* 4008.
Drosophila melanogaster 3147.
Drosophila montium 1318.
Drosophila 2153.
Echinocnemus 7950.
 effects on chiasma frequency, *Euthystira brachyptera* 615.
 effects on viability, hybrids, *Drosophila* 8860.
 eggs maturation, parthenogenesis, ultrastructure, *Bombyx mori* 1594.
Elaulon bipartitus 8816.
Enallagma parvum/Ischnura delicata 7949.
Enema pan 4037.
 enzyme polymorphism, selection, viability, population genetics, *Drosophila melanogaster* 1353.
Eusimulium 3358.
 evolution, Caraboidea 8808.
 evolution, Lepidoptera 2146.
 evolutionary genetics, *Chironomus* 4886.
Eyprepocnemis plorans 2145.
 forked gene duplication, *Drosophila* 2142.
Formica 610.
Gegenes nostrodamus 8826.
 gene mapping, chromosome 3, *Drosophila melanogaster* 4898.
 genetic markers, fecundity/viability, *Drosophila melanogaster* 4892.
 geographical variations, *Drosophila* 7148.
 haploidy, parthenogenesis, *Brevipalpus obovatus* 2151.
 heat shock puffing, RNA biosynthesis/metabolism, *Drosophila melanogaster* 2141.
 heat treatments effects on eggs, *Bombyx mori* 1833.
 heterochromatin, *Arcyptera fusca* 6410.
 heterochromatin, *Drosophila* 4044.
 heterochromatin, intraspecific hybridization, *Cryptobothrus chrysophorus* 618.
 heterochromatin, review, *Drosophila melanogaster* 4045.
 heterochromatin aggregation, *Drosophila melanogaster* 60.
 heterochromatin condensation, *Drosophila melanogaster* 2156.
 heterochromatin/nucleolus organizer region, meiosis, *Zoniopoda tarsata* 4899.
 hybrids zones, population genetics, *Caledia captiva* 1338.
 interspecific hybridization, *Drosophila* 1335.
 inversions, *Anopheles* 2152.
 inversions, *Anopheles albimanus* 7965, 8818.
 inversions, association-amylase enzyme polymorphism, *Drosophila* 2169.
 inversions, *Drosophila nasuta* 4963.
 inversions frequency, relationship flight activity, *Drosophila melanogaster* 2180.
 inversions polymorphism, selection, *Drosophila subobscura* 6421.
 lethal, effects on mutants linkage, *Drosophila melanogaster* 629.
 lethal selection, *Drosophila melanogaster* 6411.
 localization mobile dispersed gene, *Drosophila melanogaster* 7125.
 localization rRNA gene, *Drosophila simulans* 598.
Loepa katinka 8825.
 loss, DNA repair deficient mutant, *Drosophila* 6431.
 loss, hyperthermia effects on, DNA repair mutants, *Drosophila melanogaster* 9666.
 loss, radiation (X) induction, *Drosophila melanogaster* 884.
 loss, radiation induction, *Lucilia cuprina* 8851.
Lycosa 5736.
 males recombination factors, diethylsulphate effects on, *Drosophila melanogaster* 6407.
Mansonia annulifera 4048.
 mapping, *Anopheles culicifacies* 608.
 mapping, *Lucilia cuprina* 4040.
 mechanical properties, *Chironomus thummi* 1316, 1317.
 meiosis, *Bombyx/Drosophila* 4902.
 meiosis, *Bombyx mori* 7142.

Chromosomes,(continued)

- meiosis, Delphacidae 8823.
 meiosis, *Drosophila melanogaster* 6416.
 meiosis, *Ectrychotes abbreviatus* 2154.
 meiosis, *Neocurtilla hexadactyla* 5737.
 meiosis, oocytes, *Tetranychus urticae* 6409.
 meiosis, *Pales ferruginea* 8821.
Melanoplus femur-rubrum 7153.
Metialma 6420.
 mutagenesis mercuric chloride, *Spathosternum prasiniferum* 8835.
 mutagenesis radiation (X), *Drosophila melanogaster* 8838.
Mylabris 3142.
Myllocerus fumosus / *Macrocorynus griseoides* 9677.
Myrmeleotettix maculatus 607.
 Neanuridae 5877.
 nondysjunction, meiosis, *Drosophila* 3146.
 nucleic acids/protein biosynthesis, *Rhynchosciara* 3127.
 nucleoli, *Drosophila melanogaster* 7150.
 nucleolus organizer region activity, cell lines, *Drosophila melanogaster* 4896.
 Odonata 1319.
Oides 8812.
 orientation, meiosis, *Sciara coprophila* 9683, 9684.
 Orthocladinae 3348, 4047.
Otiorynchus rotundatus 2803.
 pairing, *Anopheles stephensi* 4897.
 pairing, *Drosophila melanogaster* 4905, 4906.
 pairing, *Euchorthippus pulvinatus* 7143.
 pairing, meiosis, *Stethophyma grossum* 619.
 pairing, meiotic mutant, *Drosophila melanogaster* 8836.
 pairing, spermatogenesis, intraspecific hybridization, *Caledia captiva* 4911.
 pairing/crossing-over, *Drosophila melanogaster* 7956, 7959.
 parthenogenesis, Tenuipalpidae 4891.
Philosamia cynthia 8811.
 phylogeny, *Anopheles maculipennis* 4976.
 phylogeny, *Risiochenis incisa* 7955.
 ploidy, developmental genetics, *Apis mellifera* 1019.
 ploidy, juvenile hormones effects on, *Locusta migratoria* 9352.
 ploidy, Malpighian tubules, *Panstrongylus megistus* 5738.
 ploidy, sex ratios, mutation rates, *Apanteles* 4089.
 polymorphism, *Drosophila jambulina* 1320.
 polymorphism, *Drosophila mercatorum* 6441.
 polymorphism, *Drosophila pseudoobscura* 626.
 polymorphism, *Drosophila takahashii* 4890.
 polymorphism, ecological genetics, *Drosophila buzzatii* 8873.
 polymorphism, ecological genetics, *Drosophila subobscura* 9708.
 polysomy/supernumerary isochromosomes, *Omocestus bolivari* 4907.
 polytene, *Chironomus* 4046.
 polytene, *Chironomus* / *Drosophila* 8831.
 polytene, DNA, cytosine (5-methyl) content, *Sciara coprophila* / *Drosophila* 592.
 polytene, *Drosophila melanogaster* 4055.
 polytene, mutants, *Drosophila melanogaster* 8817.
 polytene, Notch gene, *Drosophila* 8804.
 polytene, tRNA, gene mapping, *Drosophila melanogaster* 1297.
 polytene, spectrophotometry, *Rhynchosciara americana* 2150.
 polytene, *Tokunagayusurika akamushi* 1321.
 polytene banding, *Drosophila melanogaster* 621.
 polytene chromosomes, *Drosophila melanogaster* 4885.
Porcellio 7954.
Potamophylax cingulatus / *Halesus radiatus* 4043.
 puffing, benzamide, *Drosophila melanogaster* 4031.
 puffing, *Chironomus* 8815.
 puffing, *Chironomus thummi* 6413.
 puffing, DNA biosynthesis, *Drosophila melanogaster* 589.
 puffing, *Drosophila hydei* 7151.
 puffing, *Drosophila melanogaster* 1314, 2148.
 puffing, ecdysone-dependent, genes linkage, *Drosophila melanogaster* 4883.
 puffing, ecdysones induction, *Drosophila* 8856.
 puffing, neomycin effects on, *Chironomus* 4059.
 puffing, relationship RNA biosynthesis, *Chironomus tentans* 9670.
 puffing, salivary gland, membrane potential, *Drosophila* 1309.
 recombinants, fitness, *Drosophila melanogaster* 640.
 recombination, *Ceratitis capitata* 7141.
 recombination, *Drosophila melanogaster* 6419.
 recombination, meiosis segregation/translocations genes, *Aedes aegypti* 6408.
 recombination, sex differences, *Drosophila littoralis* 8813.
 relationship habitats, *Onychiurus* / *Acerentomon* 6415.
 replication, DNA biosynthesis, *Drosophila virilis* 7122, 7123.
 replication, *Drosophila nasuta* 7957, 7958.
 replication, *Drosophila virilis* 1312.
 replication/puffing, *Drosophila kikkawai* 3149.
Rhopalosiphum maidis 8809.
 rosy gene regions, *Drosophila melanogaster* 2149.
 salivary gland, culture, *Chironomus tentans* 2498.
 salivary gland, ecdysones binding, *Chironomus tentans* 8857.
 Saturniidae 1311.
 segments duplication/repetitive DNA, *Chironomus thummi* 9665.
 segregation, translocations, *Delia antiqua* 4903.
 segregation distortion, gene mapping, *Drosophila melanogaster* 7953.
 segregation distortion, spermatogenesis, *Drosophila melanogaster* 7649.
 sex chromosomes, *Carausius morosus* 622.
 sex chromosomes, *Scarites buparius* 2155.
 sex chromosomes segregation, Corydalidae 4909.
 sex determination, *Heteropeza pygmaea* 4053.
 sex determination, *Prosimulium* 8861.
 sex determination regions, *Chironomus* 620.
 sex linkage, mate selection, behavioural genetics, *Colias* hybrids 3159.
 sex ratios, polymorphism, *Drosophila pseudoobscura* 643.
 spermatocytes, *Drosophila virilis* 7952.
 staining, methodology, *Drosophila melanogaster* 2463.
 staining/gene expression, *Drosophila* 4904.
 supernumerary, *Graphium sarpedon* 8807.
 synopsis, *Drosophila melanogaster* 4910.
 taxonomy/phylogeny, Chironomidae 612.
 Tenebrionidae 9681.
Tenuipalpus inophylli 5813.
Tinocallis kahawaluokalani 2147.
Toxoptera 8814.
 translocations, behavioural genetics, *Ceratitis capitata* 5746.
 translocations, *Culex pipiens* 4900.
 translocations, dieldrin resistance, male sterility, pest control *Anopheles culicifacies* 9680.
 translocations, DNA content, *Drosophila melanogaster* 3138.
 triploid, *Drosophila melanogaster* 613.
 ultrastructure, *Drosophila* 4913.
 variations, Acrididae 4052.

Chromosomes,(continued)

- X chromosome, banding, *Drosophila melanogaster* 7146, 7147.
- X chromosome, developmental genetics, *Drosophila melanogaster* 8828.
- X chromosome, effects on phenotypes, interspecific hybridization, *Colias* 3165.
- X chromosome, genes deficiency, meiosis, *Drosophila melanogaster* 599.
- X chromosome, male sterility, *Glossina morsitans* 4914.
- X chromosome, mapping/complementation analysis 4039.
- X chromosome, mutants/gene mapping, *Drosophila melanogaster* 625.
- X chromosome, rRNA gene clusters, *Drosophila hydei* 7944.
- X chromosome, role meiosis recombination, *Drosophila melanogaster* 611.
- X chromosome, triplo-lethal gene, survival enhancement, *Drosophila melanogaster* 9675.
- X chromosome chromatin, *Drosophila hydei* 8819.
- X chromosome elimination, embryogenesis, *Sciara ocellaris* 617.
- X chromosome hyperactivity, *Drosophila* 5732.
- X chromosome nondysjunction, ageing effects on 4915.
- X chromosome transcription activity, *Drosophila hydei* 6418.
- Y chromosome, singed mutant/club wing mutant position effects/stability, *Drosophila melanogaster* 2159.
- Y chromosome elimination, *Ctenocephalides orientis* 4887.

Chrotogonus trachypterus,

- genitalia 8499.
- haemocytes 1653.

Chrysidiidae,

- new species, USA/Cuba 5162.
- zoogeography 5010.

Chrysocale,

- new species, Ecuador/Peru 850.

Chrysocarabus,

- interspecific hybridization 6440.

Chrysocarabus rutilans,

- forms 2490.

Chrysocharis,

- new species, Canada 1512.
- new species, Korea, Dem. People's Rep. 4267.

Chrysocharis parksi,

- parasitism *Liriomyza sativae* 7894.

Chrysoschraon dispar,

- mating/oviposition behaviour 4595.

Chrysocoris stollii,

- genitalia 8504.

Chrysodeixis argentifera,

- oviposition, seasonal variations 8595.
- pest resistance *Nicotiana tabacum* 5711.

Chrysodeixis eriosoma,

- cytoplasmic polyhedrosis virus, cell culture 5369.

Chrysogaster,

- review, British Isles 6476.

Chrysolina,

- check lists/new species, India 2314.
- chromosomes, evolutionary genetics 8824.
- new species, Greece 9003.
- revision/geographical distribution, Japan 2315.
- revision/new species, Italy 3314.
- taxonomy 4198, 5088, 5089.
- taxonomy/zoogeography, Greece/Turkey/Yugoslavia 9004.

Chrysolina polita,

- adhesion, appendages role 6753.

Chrysomela,

- check lists, India 2314.
- defence secretions 5345.
- taxonomy 4198.

Chrysomela lapponica,

- first record, Netherlands 3203.

Chrysomelidae,

- adhesion 6753.
- anatomy 7450.
- behaviour 5458, 7652.
- biological control 1264, 3961, 5704.
- biology 1074, 5496, 9375, 9412.
- check lists, India Chandigarh 4138.
- check lists, USSR Azerbaijan, Caucasus Mts. 8912.
- check lists/new records, Yemen, People's Dem. Rep. 3208.
- check lists/new species, India 2314.
- chemical control 1240, 6372, 7886, 7898, 7904.
- chemoreceptors 5273.
- chromosomes 5734, 8812, 8824.
- cultural control 5672.
- development 339, 2736.
- development physiology 3668.
- diets 6817, 7493.
- dispersal 1971.
- ecology 7013.
- embryology 3621.
- enzymes 4427.
- fat body 1689.
- fecundity 336.
- feeding 1939, 1946.
- flight 3459.
- genitalia 2491.
- growth regulators 7600.
- hormones 7633.
- host plants 1091, 5556, 9466.
- host plants/life cycles 7769.
- host plants/pests 9477.
- immature stages 888, 894, 900, 904, 2475.
- insecticides toxicity 1777.
- integrated control 2088.
- larvae, keys 7443.
- life cycles/vector-borne diseases 7096.
- mating 3682.
- metabolism 1682, 4408, 6812, 9217.
- morphology 5551, 5999, 8692.
- mutation 6433.
- natural enemies 6285.
- neurosecretion 2525.
- new records, Finland 8908.
- new records, introduced species, USA 8067.
- new records, Italy 667.
- new records, Mexico/USA North Dakota 8066.
- new records, Netherlands 3203.
- new records, Sweden 671.
- new species, Brazil 778, 779.
- new species, Congo, People's Rep. 4197.
- new species, Europe 8131.
- new species, Greece 9003.
- new species, India 780.
- new species, Iran 1445.
- new species, Italy 3314.
- new species, Mongolia, People's Rep./China, People's Rep. 5846.
- new species, Pacific Ocean islands 45.
- new species, Spain/Jordan/Israel 47.

Chrysomelidae, (continued)

varioles 2699.
 parasitism 3760.
 pathology 278, 996, 5358.
 pest resistance *Brassica hirta* 6992.
 pest resistance *Brassica oleracea* 2900.
 pest resistance *Cucumis melo* 5572.
 pest resistance *Helianthus* 5678.
 pest resistance *Hordeum vulgare* 1153.
 pest resistance *Solanum chacoense* 2875.
 pesticide resistance 1759.
 pests 2085, 2880, 5697, 6335, 6360, 7890, 9484, 9625.
 phagostimulants, cucurbitacins 1941.
 phylogeny 652.
 polymorphism 3180.
 population dynamics 498.
 population genetics 4958.
 population levels 1159.
 populations 1133, 3831, 5587, 7883.
 predation 385, 2789, 6294, 6935, 7726.
 protozoa 6084.
 rearing 7422.
 reproductive systems, females 1785.
 revision, Australia Region/synonymy 46.
 sampling 4325.
 secretion 5345.
 sense organs 9181.
 taxonomy 777, 1444, 2315, 3313, 3315, 3316, 4198, 5088,
 5089, 5090, 6568, 7274, 8114, 8130.
 taxonomy/zoogeography 8129.
 taxonomy/zoogeography, Greece/Turkey/Yugoslavia 9004.
 traps 172, 2970.
 vectors 1234.
 weed control 5659.
 zoogeography 3187.

***Chrysomphalus ficus*,**
 parasitism 100.

***Chrysomya*,**
 larvae 191.
 new records, introduced species, America 9758.

***Chrysomya bezziana*,**
 parasitism cattle 2016.

***Chrysomya megacephala*,**
 chemosterilants 2712.
 olfactory effects on nuclei-cytoplasm relationship, oogenesis
 2742.

***Chrysomya rubifacies*,**
 metabolism, isoxanthopterin/riboflavin 9217.

***Chrysonomomya*,**
 new species, Korea, Dem. People's Rep. 4267.

***Chrysonomomya*,**
 biological control *Coelaenomenodera* 4809.
 revision 5928.

***Chrysonomomya punctiventris*,**
 parasitism *Liriomyza sativae* 7894.

***Chrysopa*,**
 predatory communication/speciation 2754.
 parasitism 3766.
 spatial distribution, *Gossypium hirsutum* 2971.

***Chrysopa alarconi*,**
 nomenclature/taxonomy 4293.

***Chrysopa boninensis*,**
 biology/insecticides toxicity 2787.

***Chrysopa carnea*,**
 communication/speciation 2754.
 dispersal/migration 6264.
 flight behaviour/dispersal 2907.
 foraging behaviour, mathematical models 9396.
 predation *Phyllotreta cruciferae* 7726.
 spermatozoa, centrioles 1055.
 substrates vibratory stimuli, courtship 8568.
 toxicity fenvalerate/permethrin 1763.
 traps, colour preferences 2970.
 traps catches, environmental factors 7808.

***Chrysopa downesi*,**
 ecological genetics/life cycles 8597.

***Chrysopa lanata*,**
 artificial diets 5223.
 larvae 5246.

***Chrysopa perla*,**
 first record, Mongolia, People's Rep. 7394.
 ovary development, nutrition 6881.

***Chrysopa signata*,**
 predation, age effects 6221.

***Chrysoperla carnea*,**
 new subspecies, France 4292.
 parasitism 6977.
 population dynamics/spatial distribution, *Olea* plantations,
 Crete 7828.

***Chrysophtharta bimaculata*,**
 predation 385.

Chrysopidae,
 behaviour 9396.
 biology 2787.
 check lists, France Alpes Maritimes 4129.
 check lists/new records, Mongolia, People's Rep. 7394.
 chemical control 8752.
 communication 8568.
 communities 5585, 7828.
 ecological genetics/life cycles 8597.
 flight 2907.
 immature stages 5246.
 keys, France 5019.
 new species, Israel/Tunisia 3403.
 new species, Nearctic Region 6685.
 new subspecies, France 4292.
 nutrition 6881.
 parasitism 3766, 6977.
 populations 2971, 7808.
 predation 6221, 7726.
 rearing 5223.
 spermatozoa 1055.
 taxonomy 4293.
 toxicity fenvalerate/permethrin 1763.
 traps 2970.

***Chrysopiella*,**
 new species, Nearctic Region 6685.

***Chrysopilus*,**
 new species, Morocco 1485.

***Chrysospectrum*,**
 new species, Brazil 847.

***Chrysopophthorus chrysopimagnis*,**
 development, parasitism *Chrysopa* 3766.

***Chrysops*,**
 feeding behaviour 5642.
 host selection 437.
 new records, Canada New Brunswick/Quebec 1404.
 revision/new species, Argentina 5130.

***Chrysops atlanticus*,**
 chemical control 5650.

- Chrysops callidus*,
parasitism cattle 2998.
- Chrysoteuchia topiaria*,
sex pheromone/pheromone traps 1699.
- Chrysotus*,
foraging behaviour/behaviour 4699.
- Chrysotus setosus*,
taxonomy 2359.
- Chthoniidae**,
new species, fossils, Oligocene, Dominican Rep. 5830.
new species, France 7262.
new species, Hungary 8109.
new species, Sardinia 7261.
predation 9542.
taxonomy 5831, 8989.
- Chthonius*,
new species, France 7262.
new species, Hungary 8109.
new species, Morocco 6562.
new species, Sardinia 7261.
taxonomy 5831.
- Chthonius virginiticus*,
taxonomy 8989.
- Chymomyza amoena*,
cold hardiness, overwintering 3558.
- Cicadellidae**,
biology 1882.
biology/pests 7715.
check lists/new records, Azores 7238.
check lists/new species, Aldabra Atoll 4254.
chemical control 566, 2080, 9606.
chromosomes 4036, 6406.
communication 1871.
cultural control 3065.
ecology 1147, 4716, 5594, 5627, 8649.
feeding 4660, 6784.
feeding/nutrition 7516.
host plants 3780.
host preferences 9467.
infestations, Pakistan 9462, 9470.
integrated control 7072.
morphology/ecology 3739.
natural enemies, review 7047.
neuroendocrine system 9171.
new species, Australasian Region 1497.
new species, Australia/Oriental Region 5921.
new species, Bolivia 7344.
new species, Bolivia/Brazil/Peru 819.
new species, Bolivia/Panama/Peru/USA 7343.
new species, Chile 2391.
new species, Ethiopian Region 5145, 8237.
new species, India 1499, 2390, 5919, 7339, 7340, 8238.
new species, India/Singapore 8236.
new species, Jamaica 3368.
new species, Korea, Rep. 5148, 7338.
new species, Korea, Rep./Japan 5147.
new species, Mexico 3784.
new species, Nearctic Region 5918.
new species, Neotropical Region 7342, 8235.
new species, Neotropical Region/USA 6642.
new species, Oriental Region 9069.
new species, Pakistan 8233.
new species, Peru 4253.
new species, South Africa 4256.
new species, Uganda 5922.
new species, USA 1500.
new species, USSA 90.
new species, USSR 1501, 7337.
new species/new records, Pakistan 7345.
new species/new records, Papua New Guinea 1498.
oviposition 1942.
parasites, USA Kansas 436.
parasitism 430, 2735, 5219, 6224, 7747.
pathology 3580, 4489.
pest resistance *Oryza* 2859.
pest resistance *Solanum* 454.
pest resistance *Vigna unguiculata* 6356.
pests 3094, 5696.
pests, *Mangifera indica*, Pakistan Karachi 3099.
phylogeny, America 7992.
population dynamics 4731.
populations 1977, 9510.
reproduction 7644.
resistance 4508.
symbiosis 957.
taxonomy 818, 2389, 3367, 4255, 5142, 5920, 7341, 8230, 8231, 8232.
taxonomy/new records, British Isles 5146.
toxicity fenvalerate 3104.
traps 2970.
vector-borne diseases 1951, 1970, 2901, 3975, 5317, 5563, 6237, 7082, 7090, 9588, 9636.
vectors 1234.
- Cicadidae**,
aggregation 3738.
chemical control 6339.
ecology 3849.
life cycles 384.
nerves 3476.
new species, Australian Region 1502.
new species, Ethiopian Region 5149, 5909.
new species, Malagasy Rep. 820.
new subspecies/check lists, France Corsica 6643.
oviposition 2762.
pests 450, 2068.
populations 3113.
predation 7033.
sound production 8447.
- Cicadoidea**,
zoogeography, Oriental Region 1502.
- Cicindela**,
check lists, USA New Mexico 4141.
orientation walking 367.
- Cicindela ancocitsconensis*,
life cycles/ecology 3721.
- Cicindela hybrida*,
predatory behaviour, environmental factors 5622.
- Cicindela limbatis*,
sympatric populations *Cicindela splendida*, USA Minnesota 2003.
- Cicindela marginipennis*,
first record, USA New Hampshire 3249.
- Cicindela maroccana*,
first record, Italy Liguria 3201.
- Cicindela pilosipes*,
beaches habitats 7016.
- Cicindela purpurea*,
taxonomy 9005.
- Cicindela repanda*,
food availability effects on development 3615.
- Cicindela scutellaris*,
new records, Canada Ontario 7220.
- Cicindela splendida*,
sympatric populations *Cicindela limbatis*, USA Minnesota

***icindela splendida*, (continued)**

2003.

icindelidae,

neck lists, Australia 7232.

neck lists, USA New Mexico 4141.

neck lists/new species, Philippines 6569.

neck lists/taxonomy, Kenya 6518.

chromosomes 6405.

development 3615.

ecology 7016.

immature stages 6734.

life cycles 3721.

new records, Canada Ontario 7220.

new records, Italy Liguria 3201.

new records, USA New Hampshire 3249.

new species, Angola 5092.

new species, Bangladesh 48.

new species, Philippines 9006.

populations 3888.

predation 5622, 6290, 8680.

sympatric populations 2003.

taxonomy 5091, 9005.

types 7427.

***icones pictus*,**

larvae 2482.

iconiphilus,

new species, Argentina 137.

illenus,

taxonomy 2307.

***imbex femoratus*,**

phoridae parasitism 2840.

imbicidae,

life cycles structure 5249.

parasitism 2840.

imex brevis*,**development *Trypanosoma hedricki* 8704.imex hemipterus*,**

hybridization 6138.

hybridization, bisazir 6155.

vectors, hepatitis B virus 4785.

***imex lectularis*,**

orientation, olfactory preferences 7674.

***imex lectularius*,**

pesticide resistance 2677.

imicidae,

behaviour 7674.

pesticide resistance 2677.

hybridization 6138.

vector-borne diseases 1933, 4785.

vector-borne diseases 8704.

inara*,**host status, *Pinus rigida* 5679.inara piniformosanus*,**

populations, estimation, methodology 2457.

inetus,

new species, India 5163.

iniflo,

taxonomy 2288.

inymula,

new species, Mongolia, People's Rep. 5904.

new species, USSR 4243, 6629.

***inon hortulanus*,**

ecology 5478.

inotettix,

phylogeny 4975.

distribution 4296.

Circulatory system,ageing, *Apis mellifera* queens 9297.antiserum, *Dendroctonus* 7424.haemocytes, isolation/characterization, *Calliphora vicina* 4316.haemocytes, *Periplaneta americana* 8388.haemocytes, phagocytosis, *Galleria mellonella* / *Locusta migratoria* 5286.haemocytes, phylogeny, *Drosophila melanogaster* 8895.haemocytes cell cycle, *Calliphora vicina* 4384.haemocytes, measuring techniques, *Heliothis virescens* 9118.haemolymph proteins, castes differences, *Macrotermes subhyalinus* / *Zootermopsis angusticollis* 8387.haemolymph, sequestering ascorbic acid, *Manduca sexta* larvae 7507.haemolymph, vitamins effects on, *Cydia pomonella* 5299.haemolymph chemical composition, *Orthetrum chrysus* 5283.haemolymph circulation, *Papilio machaon* 5285.haemolymph ions, development, *Galleria mellonella* 9244.haemolymph lipids, hormones effects on, *Danaus plexippus* / *Cynthia cardui* 7484.haemolymph osmoregulation, amino acids, *Acheta domestica* 6025.haemolymph pressure, bacteria infection effects on, *Tenebrio molitor* 6846.haemolymph pressure, *Tenebrio molitor* 4385.haemolymph proteins, metamorphosis, *Pteris rapae* 7485.haemolymph proteins/lipids, insecticides effects on, *Blattella germanica* 7486.heart, *Locusta migratoria* 5255.heart, parthenin effects on, *Melanoplus sanguinipes* 9189.heart innervation, *Caligo beltrao* 6761.serum immune response, *Periplaneta americana* / *Schistocerca gregaria* 7487.***Circulifer tenellus*,**

transmission beet curly top virus 6237.

Circulionidae,

chemical control 3048.

Citrops,

new genus, Gambia 5210.

Citropsilus,parasitism *Phylacteophaga froggatti* 406.**Cis-permethrin,**pesticide resistance *Heliothis virescens* 1775.***Citheronia regalis*,**host plants, *Phoradendron flavescens*, first record 1130.**Citheroniidae,**

host plants 1130.

Cixiidae,

ecology/phenology 7822.

pests 3090.

plant diseases 3811.

taxonomy 6644, 7346.

vector-borne diseases 9495.

***Cladardis*,**

taxonomy 2413.

***Cladomacra*,**

new species, Papua New Guinea 6665.

***Cladopelma virescens*,**

first record, Finland 7114.

***Cladotanytarsus lewisi*,**

allergens 2055.

hypersensitivity man 3025.

Clambidae,

new records, British Isles Devon 4980.

- Clambus nigriclavus*,
first record, British Isles Devon 4980.
- Clania variegata*,
larvae, predation 2915.
- Cleobora mellyi*,
predatory behaviour 385.
- Cleonus*,
new species, USSR 8133.
- Cleora cinctaria*,
life cycles/chemical control 7712.
- Clepsis*,
new species, Canada 6682.
- Cleridae**,
behaviour/life cycles 6182.
check lists, USA Michigan 4142.
collection/rearing 5972.
development 320.
hybrids 4081.
new records, Spain 3200.
new species, Honduras 5849.
pheromones/plants 1136.
predation 6951.
rearing 1540.
taxonomy 5847, 5848.
- Cleropiestus*,
taxonomy 5848.
- Cletus punctiger*,
flight phenology 404.
- Climate**,
effects on colour polymorphism, *Philaenus spumarius* 3169.
effects on foraging behaviour, Formicidae, semiarid
environments, Australia 2969.
effects on infestations *Hypoderma* 3024.
effects on life cycles, *Costelyra zealandica* 3730.
effects on population levels, *Nilaparvata lugens* 1178.
population dynamics *Sericesthis nigrolineata*, mathematical
models 3885.
temperature effects, dispersal *Heteronychnus arator*, New
Zealand 3814.
weather effects on dispersal, *Metopolophium dirhodum* 2910.
- Clinotanytus*,
larvae, seasonal variations abundance 6387.
- Clistoronia mugnifica*,
larvae, carbon sources 7118.
- Clitumnus extradentatus*,
haemagglutinins, opsonization 942.
oogenesis 5443.
- Clivina impressifrons*,
feeding 5536.
- Cloeon*,
distribution, Germany, Fed. Rep. 9731.
new species, Zaire 3362.
taxonomy/ecology 2378.
- Cloeon dipterum*,
development, biometrics/energetics 8487.
larvae, food preferences 3754.
life cycles, seasonal variations 2793.
oxygen consumption 6797.
- Clostera anachoreta*,
new records, Finland Hame 3221.
- Clostera inclusa*,
parasitism 4322.
- Clubiona*,
taxonomy 2288.
- Clubionidae**,
life cycles 7686.
populations 5632.
- predation 7810.
- Clunio**,
Rep.), Bulgaria (People's 9036.
- Clydonium*,
new species, Brazil 829.
- Clypeodytes*,
new species, Gabon/Ivory Coast 2298.
new species, Ivory Coast 5096.
- Clytra*,
new species, Iran 1445.
- Cnaemidophorus rhododactyla*,
first record, British Isles Hampshire 3218.
- Cnaphalocrocs medinalis**,
abundance/migration, seasonal variations 7783.
development, temperature effects 5412.
feeding behaviour 7723.
migration/pest outbreaks, China, People's Rep. 479.
phenology fertilization/oogenesis 359.
rearing 6722.
rearing, methodology 881.
spinning behaviour 7717.
- Cnephasia**,
biology/morphology 386.
morphology/biology 1090.
- Cnephasia pumicana*,
pest status/geographical distribution, France 5013.
- Cnephesia**,
attractants 3225.
- Cnephesia ecullyana*,
first record, Hungary 3225.
- Cnephesia genitalana*,
first record, Hungary 3225.
- Cnephia dacotensis*,
rearing 9125.
- Cnephia mutata*,
host selection 437.
- Cobergius**,
new genus, Australia 9043.
- Coccidae**,
biological control 7093.
chemical control 571.
fecundity 872.
immature stages 4332.
life cycles 5408.
parasitism 6971, 9733.
pathology 4498.
pests 1093, 4704, 5679.
pests, *Mangifera indica*, Pakistan Karachi 3099.
populations 5631, 6302.
secretion 9256.
taxonomy 1495, 2392, 8239, 9070, 9071.
ultrastructure 5252.
- Coccidia**,
parasitism 4665.
- Coccinella**,
development, temperature effects 9337.
- Coccinella repanda*,
insecticides toxicity 312.
- Coccinella septempunctata*,
amino acids levels, development/metamorphosis 252.
assimilation/growth efficiency 1923.
neurosecretion, histology 9253.
new records/geographical distribution, USA 8068.
prey detection 1109.
sex differentiation, methodology 2464.
vitellogenesis 4581.

- Coccinella transversoguttata*.
pollution effects 5671.
- Coccinella undecimpunctata*,
life cycles 1914.
- natural enemies *Acyrtosiphon*, New Zealand 3972.
- Coccinellidae**,
amino acids 252, 3624.
behaviour 225, 360, 4658.
biology 7221, 7713.
ionomics 4616.
check lists, Canada Quebec 6522.
check lists, Spain El Pardo 7191.
chemical control/toxicity insecticides 2082.
chromosomes 4888.
coloration 8863.
development 2722, 9337.
diapause 1831.
diet 5429.
ecology 3953.
ecology/physiology, book 5042.
energetics 7795.
feeding 1111, 1923, 1939, 2452, 2871, 9385.
growth regulators 6136.
growth regulators/antifeedants 2720.
insecticides toxicity 312, 1777.
life cycles 1914, 4646, 5524, 6933.
metabolism 6796.
migration 1037.
natural enemies *Acyrtosiphon kondoi* 3892.
natural enemies/biological control Aphididae 1225.
neurosecretion 9253.
new records, India Manipur 2241.
new records, USA 8068.
new species, Borneo 7275.
new species, Neotropical Region 4199.
new species, Turkey 9007.
new species, USA 7277.
new species/new records, Australia 1446.
new subspecies/new records, Italy 781.
nontarget organisms insecticides 549.
osmoregulation/feeding 9247.
oviposition 7662.
parasitism 2842.
pest resistance *Solanum melongena* 474.
pests 3085.
physiology 4468.
pollution effects 5671.
polymorphism 1347.
populations 6293.
predation 1109, 2947, 2950, 3972, 6294.
predatory behaviour 385.
radiosensitivity 6899.
rhizophobius 7713.
sex 2464.
taxonomy/biological control 7276.
taxonomy/check lists, Thailand 8132.
toxicity insecticides 2679, 2681, 7565.
traps 2970.
tellogenesis 4581.
water budget 2619.
biogeography 4997.
- Coccoidea**,
chemical control 1237.
host specificity/host selection 2902.
sense organs 220.
- Coccophagus**,
parasitism *Aphis gossypii* 7744.
- Coccophagus caridei**,
parasitism *Alichtensia orientalis* 1093.
- Coccophagus matsuyamensis**,
first record, Italy 9733.
- Coccophagus pulvinariae**,
development, Altosid effects on 8521.
- Coccophagus scutellaris**,
sex ratios, population genetics, models 8885.
- Coccorchestes**,
revision/new species, Papua New Guinea 1431.
- Coccotydaeolus**,
new species, Poland 6555.
- Coccus**,
taxonomy 8239, 9071.
- Coccus hesperidum**,
fecundity, measuring techniques 872.
parasitism 4665.
parasitism, *Coccophagus matsuyamensis*, new records, Italy 9733.
parasitism, encapsulation *Metaphycus* 6971.
- Coccus pseudomagnoliarum**,
chemical control, Sicily 571.
- Coccygomimus turionellae**,
host location mechanisms 2833.
rearing 7619.
- Cochliomyia**,
chemical control 3062.
traps 3422.
- Cochliomyia hominivorax**,
chemical control 3014.
chemical control, review 519.
myiasis, Curacao 1127.
parasitism *Coendou prehensilis* 8620.
sexual behaviour, attractants 3693.
sterile release, dispersal/mating 1261.
- Cochliomyia macellaria**,
sex differences, Malpighian tubules phosphates accumulation 4324.
- Cochliomyia minima**,
myiasis dogs, USA Puerto Rico 517.
- Coehlyidae**,
control 5676.
new records, Denmark 679.
- Cocidiomyiidae**,
life cycles 2779.
- Cocoons**,
Coleophora albicosta 379.
construction, *Antheraea polyphemus* 5561.
construction/orientation, *Osmia lignaria* 2784.
Cryptophlebia leucotreta 409.
distribution, *Orgyia pseudotsugata* 1190.
host plants effects on, *Philosamia ricini* 3616.
Muscidae 4618.
orientation, *Osmia lignaria* 1868.
structure, Symphyta 5249.
trehalase, *Bombyx mori* 244.
- Cocos (Keeling) Is.**,
new species Helodidae 5859.
new species Lygaeidae 8215.
- Coelaenomenodera**,
biological control 4809.
- Coeleidiinae**,
taxonomy 818.
- Coelopa frigida**,
alcohol dehydrogenase enzyme polymorphism 4951.
development, association alcohol dehydrogenase enzyme polymorphism 632.

- Coelopa frigida*, (continued)
oogenesis, ribonucleotides metabolism 7640.
- Coelophora inaequalis*,
coloration, ecological genetics/genes 8863.
- Coelophora quadrivittata*,
polymorphism coloration 1347.
- Coelopidae**,
developmental genetics 632.
enzyme polymorphism 4951.
oogenesis 7640.
- Coelotes*,
taxonomy 2288.
- Coenagrion*,
larvae 2483.
taxonomy/zoogeography 8056.
- Coenagrion hastulatum*,
first record, Germany, Fed. Rep. Rheinland 4133.
- Coenagrion hylas*,
geographical distribution, USSR Siberia 5776.
- Coenagrion interrogatum*,
larvae 2479.
- Coenagrion resolutum*,
dispersion, larvae 2005.
- Coenagrionidae**,
behaviour 4655, 6172, 8562.
chromosomes 1319, 7949.
ecological genetics 1340.
ecology 7799.
larvae 1567, 2479, 2483.
morphology 1585.
new records, Germany, Fed. Rep. Rheinland 4133.
new records, USA Kentucky 8942.
populations 2005, 9539.
taxonomy 1527.
taxonomy/zoogeography 8056.
- Coenonympha*,
ecological genetics, hybrids/species 2181.
- Coenonympha corinna*,
rearing 6718.
- Coenonympha tullia*,
geographical variations, coloration 4974.
- Cofana nigrilinea*,
first record, Papua New Guinea 1498.
- Colaspis brunnea*,
oviposition site selection 5458.
sampling 4325.
- Colchicine**,
effects on nuclei-cytoplasm relationship, oogenesis,
Chrysomya megacephala 2742.
- Cold**,
see **Temperature**
- Coleomegilla maculata*,
cold hardiness, physiology 4468.
pollution effects 5671.
population dynamics 6293.
- Coleophora**,
attractants 3225.
genitalia 1564.
new records, Ireland 8013.
new species, Italy/France 3384.
new species, Sardinia 3383.
new species, Spain 3385.
records 2424.
taxonomy 115, 849, 3382.
taxonomy/larvae 3381.
- Coleophora adjectella*,
first record, British Isles 4988.
- Coleophora albicosta*,
life cycles/cocoons 379.
- Coleophora alnifoliae*,
first record, Denmark 679.
- Coleophora fuscocuprella*,
first record, British Isles Hampshire 6490.
- Coleophora glaucoilella*,
first record, Greenland 8072.
- Coleophora laricella*,
parasites, rearing 6982.
parasitism 2835.
sampling, distribution 1263.
toxicity acephate 8463.
- Coleophora lassella*,
first record, British Isles Cornwall 8008.
first record, British Isles Kent 3188.
- Coleophora peisoniella*,
first record, Hungary 3225.
- Coleophora prunifoliae*,
first record, British Isles 6489.
new records, British Isles 8012.
- Coleophora scabrida*,
first record, Italy 1564.
- Coleophora serratella*,
population dynamics/parasitism 5619.
- Coleophora stictifolia*,
feeding behaviour 6217.
- Coleophora taenitipennella*,
aberrations 4335.
- Coleophora trigeminella*,
new records, British Isles Surrey 3189.
- Coleophoridae**,
behaviour 6217.
genitalia/new records, Italy 1564.
life cycles 379.
morphology 4335.
new records, British Isles 4988, 6489.
new records, British Isles Cornwall 8008.
new records, British Isles Hampshire 6490.
new records, British Isles Kent 3188.
new records, British Isles Surrey 3189.
new records, Denmark 679.
new records, Greenland 8072.
new records, Ireland 8013.
new species, Italy/France 3384.
new species, Sardinia 3383.
new species, Spain 3385.
parasitism 6982.
population dynamics 5619.
records/new, zoogeography 2424.
sampling 1263.
taxonomy 115, 849, 3381, 3382.
toxicity acephate 8463.
zoogeography 8012.
- Coleoptera**,
abundance/association Compositae 460.
activity patterns, mathematical models, dung 2798.
adaptations 5344.
check lists, Austria Tyrol, Lech Valley 9727.
check lists, soil, parks, German Dem. Rep. Leipzig 7182.
check lists, Tunisia Hammamet 2221.
check lists/ecology, Australia New South Wales 8947.
check lists/new records, British Isles Sussex 4982.
check lists/new records, British Isles West Sussex 4981.
check lists/new records, Sweden 670.
communities 7034, 7041, 7797, 8653, 8665, 8688.
development, environmental effects 2725.

Coleoptera, (continued)

- digestive systems 6782.
ecology 4711, 6275, 9663.
ecology, streams, Germany, Fed. Rep. Solingen 3119.
elytra, scales 3444.
feeding 8606.
food preferences, grasslands 1110.
fossils 7234.
glycogen storage 1671.
host plants 5570, 6252, 8634.
inquilinitism, *Oiketicus platensis* pest outbreaks, Argentina 1974.
microscopy 8306.
mouthparts 5973.
new records, aquatic environments, British Isles England 7998.
new records, Germany, Fed. Rep. 8911.
new records, Germany, Fed. Rep. Solingen 8909, 8910.
new records, Sweden Norrbotten 7267.
new records, Sweden Scania 7192.
new records, Switzerland 7193, 8027.
new records, Thailand 8059.
orientation 367.
osmoregulation 8436.
palaeoecology, Fliquet Bay, Channel Is. Jersey 725.
parasitism 8614, 8618.
pests 5707.
phylogeny 8896.
physiology 4468.
population dynamics 3943, 6295.
prothorax skeleton/muscles, phylogeny 3182.
radiation (γ) 326.
succession, cattle dung 496, 502.
swimming behaviour 1614.
traps 7430, 8305.
zoogeography 5791, 6498, 7993.
- Coleoscorus**,
new species, South Africa 8964.
- Coletina**,
new genus 3410.
- Colias**,
antennae, ultrastructure/role behaviour 1636.
interspecific hybridization, behavioural genetics, mate selection, sex linkage 3159.
interspecific hybridization, X chromosome effects on phenotypes 3165.
- Colias eurytheme**,
aggregation 387.
traps, colour preferences 2970.
- Colias lesbia**,
sex ratios, population density/migration effects on 641.
- Colias philodice**,
population structure 3876.
- Collembola**,
behaviour 7720.
calcium transfer, lichens 1162.
communities 6267.
cuticle 4347.
development 9313.
ecology 2920, 2967, 3996, 4721, 5471.
nerves/phylogeny 9164.
new species/zoogeography, Morocco 2344.
pathology, protozoa infection 2653.
population growth, soil pH effects on 3112.
populations 8681.
populations, spatial distribution, soil, *Pinus* forests 490.
sex differences 4320.
- soil communities, atrazine effects on 6382.
soil pH effects on, *Pinus sylvestris* forests 3114.
winter activity, Canada 413.
zoogeography 6475, 6506, 9757.
- Colletes**,
ecology/biology 2928.
- Colletes daviesanus**,
nests 1108.
- Colletes thoracicus**,
mating behaviour 5451.
- Colletidae**,
behaviour 5451.
ecology/biology 2928.
mouthparts 1587.
nests 1108.
new species, Australia 7354.
new species, Iran 3375.
secretions 3564.
sex ratios 5753.
zoogeography 8037.
- Colobodes**,
chromosomes 609.
- Colombia**,
new species Carabidae 3301.
new species Cerambycidae 8124.
new species Chelodesmidae 8298.
new species Cicadellidae 8230.
new species Curculionidae 8135.
new species Listrophoridae 5053.
new species Lonchaeidae 8192.
new species Philopteridae 5209.
occurrence *Aedes aegypti*, review 3260.
- Colomerus novaehbridensis**,
natural enemies 7899.
- Colon**,
check lists, France 8021.
new species, Nepal/India 7278.
- Colonidae**,
check lists, France 8021.
new species, Nepal/India 7278.
- Colonies**,
biology/brood rearing, *Messor syriacus* 2104.
formation, *Bombus atratus* 7711.
Nyctemera amica x *Nyctemera annulata* hybrids 6439.
polygyny, *Vespa pensylvanica* 8783.
production, conspecifics/predation effects on, *Polistes metricus* 2103.
production soldiers, *Reticulitermes* 8784.
social hierarchy, *Leptothorax allardycei* 9641.
- Coloration**,
abdomen, variation, *Glossina caliginea* 5998.
albino genes, *Venezillo evergladensis* 1294.
aposematic colour effects on predation, *Papilio machaon* larvae 7796.
colour mutants, *Leptinotarsa decemlineata* 6433.
colour polymorphism, altitude correlation, *Philaenus spumarius* 639.
defence, *Anartia fatima* 2820.
ecological genetics/genes, *Coelophora inaequalis* 8863.
effects on eggs distribution, Lepidoptera 1356.
effects on predation, *Morpho* 417.
evolution, predation effects on, Lepidoptera 7172.
eye, development, *Ceratitis capitata* pupae 7417.
larvae, metamorphosis, *Ephestia kuehniella* 981.
melanism, *Tribolium confusum* 7964.
new species Actiidae 7369.
nutrition effects on, larvae *Helicoverpa armigera* 268.

Coloration,(continued)

- Pieris* pupae, environmental effects 269.
 polymorphism, *Bombus melanopygus* 1337.
 polymorphism, *Deinacrida connectens* 1095.
 polymorphism, mimicry, *Bombus* 3174.
 predation effects on, *Maniola jurtina* 7801.
 temperature effects, *Zonocerus variegatus* 6953.
 temperature effects on, *Precis archesia* 3394.
Thymelicus flavus 9240.
 variability, *Neoscona mukerjei* 2289.
 variability, temperature effects, *Microctonus vittatae* 6061.
 wings, development, *Precis coenia* 5334, 5335.

Colour,

- preferences, oviposition site selection, *Drosophila melanogaster* 1056.

- preferences, *Vespa squamosa* 1069.
 visual perception, *Apis mellifera* 3699.
 visual perception, eye, Hymenoptera 2546, 2547.
 visual perception, ocelli, *Papilio xuthus* 3479.

***Colpocephalum thoracicum*,**

- taxonomy/geographical distribution 7392.

***Colpothylax*,**

- new genus 5808.

***Colydiidae*,**

- larvae 1568, 2476, 2482.
 new records, Italy 6504.
 new species, Neotropical Region 6570.
 new species, Yugoslavia 3297.
 new species/geographical distribution, Papua New Guinea/
 West Irian 2316.
 taxonomy 5850.

***Colymbetes*,**

- taxonomy 8142.

Commensalism,

- Leaiopria* termitophily 1507.

Communication,

- altitude, *Apis mellifera* 7675.
 auditory communication, *Platycleis albopunctata* 9373.
 auditory communication, reproductive behaviour,
 behavioural genetics, *Gryllus integer* 9694.
 auditory communication *Chrysopa* 2754.
 disruption mating/sound production, *Amrasca devastans* /
Nilaparvata lugens 1871.
 foraging behaviour/social behaviour, *Myrmica* 2769.
 mating/courtship, *Oecanthus nigricornis* 6177.
 pheromones, disruption, *Orgyia antiqua* 2768.
 pheromones, *Oecophylla longinoda* 8648.
 queens pheromones transfer, colonies *Apis mellifera* 5718.
 recruitment, mathematical models, Formicidae 4605.
 song, *Decticus verrucivorus* / *Locusta migratoria* / *Tettigonia*
cantans 5271.
 sound production, *Meconema thalassinum* 4481.
 sound production variation, *Platycleis albopunctata* 6179.
 spatial distribution *Platycleis albopunctata* / *Metrioptera*
roesellii, role acoustic responses 4602.
 stridulation, anti-predator behaviour, *Odontotaenius*
disjunctus 9374.
 stridulation, dispersal/spatial distribution, *Neononocephalus*
nebrascensis 8600.
 substrates vibratory stimuli, courtship, *Chrysopa carnea*
 8568.
 trail following behaviour, *Lycosa* 1873.
 visual communication, synchronization, theories,
 Lampyridae 6930, 6932.

Communities,

- abundance/distribution, Carabidae natural enemies
Diabrotica longicornis 6285.

- Araneae, orchards, Israel 5632.

- Araneae, orchards, USA California 6266.

- atrazine effects on soil Arthropoda 6382.

- Carabidae, agricultural ecosystems, mountains, Austria 5602.

- Chrysopidae, *Olea* plantations, Crete 7828.

- Chrysopidae, plantations, France 5585.

- coexistence, competition, Carabidae 8655.

- coexistence/species richness *Bombus*, niche separation 5634.

- Coleoptera, forests, Belgium 7041.

- Collembola, USSR Caucasus 6267.

- colonization polders, Carabidae, Netherlands 7791.

- colonization/succession, burnt ground, Insecta 7798.

- community composition, Araneae 8904.

- community composition, Chironomidae, Baldwin L., USA
 Illinois 7111.

- community composition, Chironomidae, Nida R., Poland
 7110.

- community composition, Chironomidae, Poland 7916.

- community composition, *Elaeis guineensis* decay/soil,
 Arthropoda 9508.

- community composition, environmental factors,
 Ephemeroptera 8789.

- community composition, geographical variations, house dust
 Acari 7850.

- community composition, Gerridae, lakes 7115.

- community composition, lakes, Acari 9664.

- community composition, lakes, Coleoptera 9663.

- community composition, *Manihot esculenta* fauna 7002.

- community composition, parasites, *Agelaius phoeniceus*
 nests 8618.

- community composition, pollution effects, Trichoptera 4802.

- community composition, rivers, environmental factors,
 Chironomidae 8790.

- community composition, sub-alpine environments,
 Diplopoda 8926.

- community composition, temperature effects, Gerridae 6890.

- community composition, *Theobroma cacao*, Insecta 7823.

- community composition Araneae, traps 5618.

- community composition benthos Insecta, streams 7917.

- community composition Carabidae, forests 7830.

- community composition/emergence, Insecta, Finland Lovisa
 7114.

- community composition/habitat preferences, Dytiscidae
 7923.

- community composition/niche overlap, Carabidae, Faeroe Is
 7829.

- community composition/niche overlap, Catopidae 5628.

- community composition Solifugae, traps 5589.

- community composition/species diversity, Coleoptera,
 forests, Chile 5791.

- community composition/species diversity, migration,
 Odonata, Germany, Fed. Rep. Helgoland 7802.

- community composition/species diversity, forests, Opiliones
 9547.

- community composition/trophic relations, *Luehea seemanni*
 host plants, Coleoptera 8688.

- community development, paddy fields, Insecta 8686.

- community structure 8693.

- community structure, herbivores/natural enemies, review
 5607.

- community structure, mathematical models, grasslands
 Insecta 5633.

- community structure, mathematical models, Diptera 7833.

- community structure, ponds, savannahs, Coleoptera 7797.

- community structure/dynamics Arthropoda, *Myotis*
lucifugus guano 7039.

- competition food selection, *Notostira elongata* /

Communities,(continued)

- Megaloceraea relicticornis* 4747.
competition introduced species/native species, Apoidea, New Zealand 7020.
deforestation effects on, Isoptera, Brazil 7007.
dispersion/spatial distribution, *Gossypium hirsutum* crop fields, Araneae 8689.
distribution/seasonal variations, Araneae, Austria Obergurgl 6276.
energetics/species composition, forests, Insecta 7026.
energy flow/production, *Brachycercus* /*Procladius* /*Tendipes decorus* 4000.
feeding, Fulgoroidea 6291.
foraging behaviour, resource partitioning, Formicidae 4625.
forest management effects on Arthropoda 6278, 6296.
habitat preferences, Araneae, Zaire 4720.
habitat preferences, Psocoptera, Luxemburg 5778.
habitat utilization, seasonal variations, Culicidae 8670.
Insecta, New Zealand Mount Aspiring National Park 6292.
Insecta association *Cryptococcus fagi*, forests, France 5599.
interspecific interactions, *Phaenicia sericata* /*Phormia regina* 4718.
interspecific interactions, use photography, Simuliidae 8787.
Membracidae, forests, USA Delaware 9550.
mutualism/predation, *Formica rufa* + *Drepanosiphum platanoidis* /*Operophtera brumata* /*Periphyllus testudinaceus* 6282.
niche breadth/niche overlap/resource partitioning, competition, *Novomessor cockerelli* /*Veromessor pergandei* 9526.
niche overlap/environmental requirements, coexistence, *Ptinella* 4715.
niche overlap/resource partitioning, Scolytidae 7820.
Oribatei, USSR Kursk 5806.
resource partitioning, *Culex bithaculus* /*Trichoprosopon digitatum* /*Wyeomyia felicia* 4745.
resource partitioning, habitats, *Pardosa* 6270.
resource partitioning, habitats/seasons, Odonata 7017.
resource partitioning, Heteroptera, *Senecio smallii* 9545.
resource utilization/niche overlap, *Bombus* 5617.
scabacarabidae/Hydrophilidae, species composition/niche overlap 5586.
seasonal variations abundance/population dynamics, Chironomidae 6387.
spatial distribution *Platyleis albopunctata* /*Metrioptera roeselii*, role acoustic responses 4602.
spatial distribution/species diversity, Arthropoda, *Pteridium aquilinum* 9548.
species composition, Araneae, Australia Queensland 7793.
species composition, Coleoptera 8909.
species composition, competition/environmental factors, Coleoptera 7034.
species composition, forests, Coleoptera 8910.
species composition, forests, Elateridae 6184.
species composition, *Gossypium hirsutum* crop fields, Arthropoda 8653.
species composition, sampling/seasonal variations, *Culicoides* 5595.
species composition, *Solidago* host plants, Chrysomelidae 9466.
species composition/abundance, Coleoptera 7831.
species composition/abundance, seasonal variations, Culicidae 6303.
species composition/activity, trampling, Coleoptera 8665.
species composition/species diversity, Isopoda/Myriapoda, urban environments 4769.
species diversity, Araneae, German Dem. Rep. Leipzig 6274.
species diversity, Carabidae, German Dem. Rep. Leipzig 6301.
species diversity, streams benthos, mining effects on 8793.
steppes litter decomposition, Tenebrionidae 4768.
succession, forests, fires effects on 7042.
succession, forests, fires effects on, Arachnida 7043.
succession, forests, fires effects on, Carabidae 7044.
succession, forests, fires effects on, Lathridiidae 7045.
succession, forests/parks, Carabidae 9502, 9531.
succession, saprophagy, forest floor litter 7003.
succession Insecta, streams 6389.
Comoro Is.,
check lists/new species Arctiidae 8258.
new species/new records Araneae 5816.
Comperiella pia,
taxonomy/parasitism on *Chrysomphalus ficus* 100.
Competition,
Aedes aegypti /*Culex fatigans* 4743.
amensalism, Insecta 5581.
behavioural genetics, *Drosophila melanogaster* 4076.
Calineura californica interspecific interactions *Hesperoperla pacifica*, resource utilization 3122.
Camponotus femoratus /*Monacis debilis* -*Crematogaster* 9551.
cannibalism, *Tribolium* 3846.
Carabidae, role, coexistence 1984.
coexistence, Carabidae 8655.
coexistence, environments heterogeneity effects on, *Sphaeridium* 1189.
Drosophila melanogaster genotypes 7976.
effects on fecundity, *Drosophila* 8673.
effects on Formicidae mutualism herbaceous plants, mathematical models 2889.
effects on population structure, Culicidae 8656.
foraging behaviour, *Apis mellifera* /*Melipona* /*Trigona* 4623.
interspecific interactions, Acrididae, grasslands 2952.
interspecific interactions, coexistence, Perilidae larvae 3117.
interspecific interactions, Formicidae, deserts 2921.
interspecific interactions, *Tetranychus* 3826.
interspecific interactions, *Trichogramma* 5630.
interspecific interactions *Acanthoscelides obtectus* /*Zabrotes subfasciatus*, *Phaseolus vulgaris* stored products 1165.
interspecific interactions *Urophora* 5606.
intraspecific interactions, mate selection, mathematical models, *Scathophaga stercoraria* 3837.
intraspecific interactions, *Xenos pallidus* 7746.
intraspecific interactions *Morter obscurus* larvae 1985.
Mecynogea lemniscata /*Metopeira labyrinthica* 7021.
niche overlap, intraspecific relationships, Insecta, freshwater environments 2114.
Novomessor cockerelli -*Veromessor pergandei* 9526.
Oncopeltus, resource utilization, *Asclepias curassavica* seeds 1132.
Panorpa, resource partitioning 1976.
parasitism, *Chelonus inanitus* /*Microplitis rufiventris* -*Spodoptera littoralis* 6228.
populations fitness, *Dendroctonus rufipennis* 9507.
Sitophilus zeamais -*Sitotroga cerealella* 7010.
temperature effects, *Drosophila* 6307.
Tribolium 9505.
Tribolium castaneum /*Tribolium brevicornis*, population growth 3855.
Compsilura concinnata,
host selection 7739.
parasitism *Lymantria dispar* 433.
Compsocerus,
new species, Neotropical Region 770.

Composoma,

biology 1097.
new species, Brazil 775.

Comsaditha,

new species, India 5828.

Conbalia,

taxonomy 8230.

Conchapelopia,

larvae, seasonal variations abundance 6387.

Congo, People's Rep.,

check lists/new species Scydmaenidae 5113.

new species Chrysomelidae 4197.

new species Lathridiidae 5833.

new species Nymphalidae 3398.

pest status *Phenacoccus manihoti* 9611.

Conibosa,

habitats/phenology, Costa Rica 384.

Conicera,

taxonomy 1482.

Conicobrachus,

larvae 898.

Coniopterygidae,

behaviour 8560.

check lists/new species, Brazil 2438.

new records, Spain 5020.

new records, Tunisia 7210.

new records, USA 1407.

new species, India 6686.

parasitism 838.

taxonomy 5957.

Coniopteryx,

check lists/new species, Brazil 2438.

Coniopteryx arcuata,

first record, Spain 5020.

Coniopteryx borealis,

first record, Ethiopian Region 5957.

first record, Tunisia 7210.

Coniopteryx esbenpeterseni,

parasitism 838.

Conistra,

new species, Italy 857.

Conocephalidae,

spermatogenesis 1053.

Conocephalus,

revision, Pacific Ocean Islands 5963.

Conocephalus discolor,

embryology, humidity/temperature effects 9309.

Conocephalus gladius,

digestive systems, anatomy 5287.

Conocephalus saltator,

spermatogenesis, membrane biosynthesis 1053.

Conoderus,

life cycles 4637.

Conophthorus resinosae,

life cycles/ecology 4719.

Conopidae,

check lists, Netherlands 5004.

Conops,

taxonomy 6601.

Conostigmus,

new species, Italy/France 2397.

new species, Somali Dem. Rep. 6664.

taxonomy 837, 5176.

Conostigmus erythrothorax,

taxonomy 2396.

Conotrachelus nenuphar,

chemical control 6346.

stress sound production 6077.

Contarinia citri,

taxonomy 1472.

Contarinia nasturtii,

life cycles/pest status 8603.

Contarinia sorghicola,

biology 2812.

chemical control 541.

diapause, seasonal variations 2706.

diapause, survival, sunlight 4555.

emergence, environmental effects/seasonal variations 1980.

host plants 464.

infestations *Sorghum bicolor*, planting date effects on, Brazil 1241.

mouthparts 7441.

pest resistance *Sorghum bicolor* 3026.

Control,

Aedes vexans, review 4778.

antibodies toxicity, *Glossina* 3016.

Aphididae, vectors plant viruses, review 3949.

Apion corchori, sterile-release 344.

Araneae biological control *Spodoptera littoralis*, orchards, Israel 1235.

Arthropoda pests/biological control, grasslands, Australia, review 3979.

Bacillus thuringiensis biological control *Plodia*

interpunctella / *Ephestia cautella* 1222.

biological control, conference 8084.

biological control, Culicidae 2997.

biological control, Insecta pests, review 1255.

biological control, review 4833.

biological control, role natural enemies, review 2081.

biological control, role *Rhyzobius* 7276, 7713.

biological control, *Tetranychus urticae* 5673.

biological control, use parasites/predators 7869.

biological control *Acyrtosiphon*, New Zealand 3972.

biological control *Aedes* 7061.

biological control *Agrotis segetum* 7875.

biological control *Aleurocanthus woglumi*, USA Florida 1223.

biological control *Aleurocanthus woglumi*, Platygasteridae Aphelinidae 3030.

biological control *Aleurocanthus woglumi*, review 3947.

biological control *Aleurocanthus woglumi* 4806.

biological control *Aleurocanthus woglumi*, economics 7080.

biological control *Aleurocanthus woglumi* 8773.

biological control *Amsacta albistriga* 4829.

biological control *Anopheles freeborni* / *Culex tarsalis* 3002.

biological control *Aspidiotus nerii* 7900.

biological control/chemical control *Heliothis zea* 3056.

biological control/chemical control *Leucoma wiltshirei* 7832.

biological control/chemical control *Plutella xylostella* / *Trichoplusia ni* 9622.

biological control/chemical control *Rachiplusia nu* 2079.

biological control *Chilo auricilius* 4670.

biological control *Chilo partellus* / *Heliothis armigera* 8668.

biological control *Chironomus decorus* 7076.

biological control *Choristoneura fumiferana* 6363.

biological control *Culex pipiens* 2043.

biological control *Culex tarsalis* 3915.

biological control Culicidae 523, 1198, 2978, 3900, 4816, 5645, 6842, 7063, 7844, 8714, 9579.

biological control *Dendrolimus punctatus* 6374.

biological control *Diabrotica balteata* 1264.

biological control *Diatraea saccharalis* 7073.

control,(continued)

- logical control *Diptera/Lepidoptera* pests 7100.
 logical control *Dryocosmus kuriphilus* 4631.
 logical control *Eotetranychus willameitei* 2662.
 logical control *Ephesia cautella* / *Plodia interpunctella* 3074.
 logical control *Heliothis* 6349, 7872.
 logical control *Heliothis virescens* 3103.
 logical control *Heteronychus arator* 3984.
 logical control *Hybomitra lasiophthalma* 569.
 logical control *Hyphantria cunea* 3955.
 logical control *Ichthyura anastomosis* 3052.
 logical control *Insecta* 547.
 logical control *Insecta* pests, grasslands, review 3942.
 logical control *Ixodidae* 3904.
 logical control *Lepidoptera* 1251.
 logical control *Leptinotarsa deceptivella* 3961.
 logical control *Lymantria dispar* 5222.
 logical control *Lymantria dispar*, Italy 3083.
 logical control *Macrosiphoniella sanborni* 2642.
 logical control *Malacosoma* 7085.
 logical control *Metaphycus bartletti* 7093.
 logical control *Musca domestica* 1119, 9580.
 logical control *Myzus persicae* 5709.
 logical control *Oeomona hirta* 8757.
 logical control *Operophera bruceata* 4803.
 logical control *Oryctes rhinoceros* 3986.
 logical control *Oulema melanopus* 5704.
 logical control *Panonychus ulmi* 3953.
 logical control *Paropsis charybdis* 6294.
 logical control pests, greenhouses 3032.
 logical control pests forests 7094.
 logical control pests *Insecta*, review 1245, 1254.
 logical control *Phryganidia californica* 2066.
 logical control *Phthorimaea operculella* 4805, 4827.
 logical control *Psorophora columbiae* 1202.
 logical control *Scolytidae*, review 5690.
 logical control *Simuliidae* 3908.
 logical control *Simuliidae*/pollution effects 5667.
 logical control *Sirex noctilio* 5705.
 logical control *Spodoptera frugiperda* 8742, 8762.
 logical control *Spodoptera litura* 555.
 logical control stored products pests 3034.
 logical control *Tetranychus urticae* 4831.
 logical control *Trialetodes vaporariorum* 5660.
 logical control *Trialetodes vaporariorum*, review 5694.
 logical control *Trialetodes vaporariorum* 9618.
 logical control *Tribolium* / *Callosobruchus chinensis* 1249.
 logical control *Trioza erytreae* 3031.
 logical control *Utetheisa pulchella* 2869.
 logical control, *Cochliomyia hominivorax* 3014.
 logical control, effects on species composition, *Gossypium*
irsutum crop fields, *Arthropoda* 8653.
 logical control, pheromones, *Insecta* pests, conference
 263.
 logical control *Acalitus essigi* 540.
 logical control *Acarapis externus* 2067.
 logical control *Acrididae* 3059.
 logical control *Aedes aegypti* 2028, 4792.
 logical control *Aedes albopictus* 4783.
 logical control *Aedes* / *Anopheles* 7852.
 logical control *Aedes cantans* 7071.
 logical control *Aedes taeniorhynchus* / *Anopheles* 2669.
 logical control *Aedes taeniorhynchus* / *Culex nigripalpus*
 847.
 logical control *Agrotis orthogonia* 564.
 logical control *Amblyomma americanum* 3008, 6317.
 chemical control *Amrasca biguttula* 2080.
 chemical control *Amrasca devastans* / *Aphis gossypii* 9606.
 chemical control *Anacanthotermes ochraceus* 1220.
 chemical control *Anisochrysa carnea* 8752.
 chemical control *Anopheles albimanus* 5643.
 chemical control *Anopheles balabacensis* 7054.
 chemical control *Anopheles maculipennis* / *Cricotopus*
silvestris 2987.
 chemical control *Anopheles stephensi* 7867.
 chemical control *Anopheles sudaicus* 4782.
 chemical control *Anthonomus grandis* 1226.
 chemical control *Anthonomus grandis* 5668.
 chemical control *Anthonomus grandis* 5669, 5670, 6348.
 chemical control *Anthonomus grandis* / *Heliothis* /
Hippodamia convergens 2082.
 chemical control *Anthonomus grandis* / *Heliothis zea* 9632.
 chemical control *Apate monachus* 6371.
 chemical control *Aphanostigma piri*, Sicily 677.
 chemical control *Aphididae* 3041, 6345, 9607.
 chemical control *Aphis affinis* 8731.
 chemical control *Aphis fabae* 9600.
 chemical control *Aphis gossypii* 1242.
 chemical control *Archips rosanus* 3974.
 chemical control *Atherigona soccata* 3985, 8766.
 chemical control *Atta* 1266.
 chemical control *Baocera rufomaculata* 3043.
 chemical control *Bemisia tabaci* 8733.
 chemical control *Blattella germanica* 5649, 9567.
 chemical control *Blissus leucopterus* / *Schizaphis graminum*
 6337.
 chemical control *Boophilus microplus* 1196, 2030, 9563.
 chemical control *Boophilus microplus*, Australia Queensland
 1215.
 chemical control *Bovicola bovis* / *Haematopinus eurysternus* /
Linognathus vituli 5637.
 chemical control *Brassica* pests 3969.
 chemical control *Brevipalpus phoenicis* 3036.
 chemical control *Brevipalpus phoenicis* / *Tyrophagus*
putrescentiae 3067.
 chemical control *Castnia dedalus* 5664.
 chemical control *Centorhynchus quadridens*, *Brassica napus*
 , England 3035.
 chemical control *Chaetocnema pulicaria* 1240.
 chemical control *Chilo auricilius* 4819.
 chemical control *Chilo partellus* 2061.
 chemical control *Choristoneura fumiferana* 6147.
 chemical control *Chortioctes terminifera* 7873.
 chemical control *Chrysops atlanticus* 5650.
 chemical control *Cleora cinctaria* 7712.
 chemical control *Coccoidea* 1237.
 chemical control *Coccus pseudomagnoliarum*, Sicily 571.
 chemical control *Cochliomyia* 3062.
 chemical control *Cochliomyia hominivorax*, review 519.
 chemical control *Coleoptera*, stored products 8764.
 chemical control *Coleoptera* pests *Malus* 6357.
 chemical control *Conotrachelus nenuphar* / *Cydia pomonella* /
Rhagoletis pomonella 6346.
 chemical control *Contarinia sorghicola* 541.
 chemical control *Costelytra zealandica* 3948.
 chemical control *Costelytra zealandica*, New Zealand, review
 3987.
 chemical control *Ctenocephalides* 7057.
 chemical control *Culex nigripalpus* 534.
 chemical control *Culex quinquefasciatus* 9570.
 chemical control *Culicidae* 2980, 2990, 6326, 7049, 7058,
 7062, 9560.
 chemical control *Culicidae*, Fiji 3933.

Control,(continued)

- chemical control Culicidae, India 2995.
 chemical control Culicidae, review 2020, 2986.
 chemical control *Culicoides* 9236.
 chemical control/cultural control, *Lipaphis erysimi* 9629.
 chemical control/cultural control *Bissetia steniiellus* 1232.
 chemical control/cultural control *Sitophilus zeamais* /
Sitotroga cerealella 554.
 chemical control *Cylas formicarius* 8745.
 chemical control *Daktulosphaira vitifoliae* 2083.
 chemical control *Delia brassicae* 559.
 chemical control *Delia coarctata* 5661.
 chemical control *Demodex folliculorum* 7845.
 chemical control *Dendroctonus frontalis* 8741, 9609, 9631.
 chemical control *Dermatophagoides pteronyssinus* 8708.
 chemical control *Diacrisia obliqua* 9592.
 chemical control *Dialeurodes citrifolii* 3037.
 chemical control *Diaprepes abbreviatus* 8736.
 chemical control *Diatraea grandiosella* 3960.
 chemical control Diptera 537, 9566.
 chemical control *Drosicha mangiferae* 2069.
 chemical control *Earias insulana* /*Heliothis armigera* 6358.
 chemical control *Ephestia elutella* 5702.
 chemical control *Epitrix hirtipennis* 6372.
 chemical control *Eriosoma lanigerum* 2063.
 chemical control *Eucosoma sonomana* 1252, 1253.
 chemical control *Eutetranychus orientalis* 3061.
 chemical control *Eutrombicula alfaredugesi* 9559.
 chemical control *Glossina* 6314, 6315, 6327, 6329, 6330.
 chemical control *Glossina*, effects on nontarget organisms 3053.
 chemical control *Glossina palpalis* 6328.
 chemical control *Glossina tachinoides* 6316, 7059.
 chemical control *Gossypium hirsutum* pests, Burundi 3044.
 chemical control *Gossypium hirsutum* pests 9616.
 chemical control *Gossypium* pests 7879.
 chemical control *Grapholitha molesta* 8768.
 chemical control *Haemaphysalis longicornis* 2992.
 chemical control *Haematobia irritans* 3017, 6313.
 chemical control *Haematobia irritans* /*Musca autumnalis* 5638, 9568.
 chemical control *Heliothis* 1164, 3937.
 chemical control *Heliothis* /*Acyrtosiphon kondoi*,
Medicago sativum 2086.
 chemical control *Heliothis armigera* 8740.
 chemical control *Heliothis virescens* 550, 3944, 4811.
 chemical control *Heliothis zea* 3966, 4807.
 chemical control *Heliothis zea* /*Spodoptera frugiperda* 557.
 chemical control *Hercinothrips femoralis* 6351.
 chemical control Homoptera 3104.
 chemical control *Hypera variabilis* 6362.
 chemical control *Hypoderma lineatum* 521.
 chemical control *Imbrasia cytherea* 543.
 chemical control *Inopus rubriceps*, review 3945.
 chemical control Insecta, aircraft 6375.
 chemical control Insecta pests, *Dioscorea*, Nigeria 5707.
 chemical control *Ips typographus* /*Trypodendron lineatum* 1267.
 chemical control *Ireninus compressus* 2660.
 chemical control Isoptera 1256, 2091.
 chemical control Isoptera, pollution effects, review 3054.
 chemical control Isoptera, review 3105.
 chemical control *Keiferia lycopersicella* 2101.
 chemical control *Lepidosaphes beckii* /*Parlatoria* 4843.
 chemical control *Lepidosaphes cornutus* 6347.
 chemical control *Leptinotarsa decemlineata*, review 7886.
 chemical control *Linognathus* /*Psoroptes communis* 2045.
 chemical control *Lipaphis erysimi* 3991.
 chemical control *Liriomyza sativae* 3973.
 chemical control *Lobesia botrana* 553.
 chemical control *Lucilia cuprina*, review 532.
 chemical control *Magdica septendecim* 6339.
 chemical control *Mansonina* 3930.
 chemical control *Mastotermes darwiniensis* 9279.
 chemical control Miridae 8749.
 chemical control *Musca* 6352.
 chemical control *Musca autumnalis* /*Haematobia irritans* 3909.
 chemical control *Musca domestica* 1197, 2984, 5640, 8705.
 chemical control *Musca domestica* /*Fannia canicularis* 3914.
 chemical control *Myndus crudus* 3090.
 chemical control *Myzus persicae* 538, 3959, 5680.
 chemical control *Ophiomyia centrosematis* 3051.
 chemical control *Ornithonyssus sylvianus* 2019, 2051, 9561.
 chemical control *Orseolia oryzae* 3087.
 chemical control *Orthostia hibisci* 9599.
 chemical control *Ostrinia nubilalis* 544, 3038, 8746.
 chemical control *Oulema oryzae*, population density threshold 7904.
 chemical control *Panonychus ulmi* 8734.
 chemical control *Pectinophora gossypiella* 6338.
 chemical control *Pediculus capitis* 530.
 chemical control *Pediculus humanus* 7069.
 chemical control *Pentalonia nigronervosa* 3060.
 chemical control pests, stored products, dried fruits 576.
 chemical control pests wool 3057.
 chemical control pests *Zea mays* 5706.
 chemical control *Pheidole megacephala* 9587.
 chemical control *Phorodon humuli* 7876, 7888.
 chemical control *Phyllocoptruta oleivora* 3046, 3946.
 chemical control *Phyllophaga ephillida* 5684.
 chemical control *Plutella maculipennis* 3042.
 chemical control *Plutella xylostella* /*Crociodolomia binotalis* 3106.
 chemical control *Polyphagotarsonemus latus* 2064.
 chemical control Psoroptidae 2029.
 chemical control *Psylla pyricola* 565.
 chemical control *Psylliodes chrysocephala* 7898.
 chemical control *Rhagoletis pomonella* 9619.
 chemical control *Rhinacloa forticornis* 5698.
 chemical control *Rhinyptia* 5677.
 chemical control *Rhipicephalus appendiculatus* 7838.
 chemical control *Rhyacia herculea* 3958.
 chemical control *Rhyacionia frustrana* 3071.
 chemical control *Schizaphis graminum* 9595.
 chemical control *Simulium damnosum* 4784, 8722.
 chemical control *Simulium ochraceum* 9569.
 chemical control *Sitobion avenae* 545.
 chemical control *Sitophilus zeamais* /*Sitotroga cerealella* 3962.
 chemical control *Smicronyx fulvus* 2062.
 chemical control *Solenopsis invicta* 6343.
 chemical control *Spodoptera frugiperda* 8772.
 chemical control *Spodoptera littoralis* 7088.
 chemical control stored products pests 3983.
 chemical control *Synanthedon* 9603.
 chemical control *Synclera univocalis* 2094.
 chemical control Tephritidae, review 7884.
 chemical control *Tetranychus cinnabarinus* 1228.
 chemical control *Tetranychus urticae* 2075, 2078.
 chemical control *Thaumatopea pityocampa* 9601.
 chemical control *Thaumatopea wilkinsoni* 1229.
 chemical control *Therioaphis* 3072.
 chemical control Tortricidae pests *Malus* 2098.

Control,(continued)

- chemical control *Trialeurodes vaporariorum* 3982, 9593.
 chemical control *Triatoma infestans* 7861.
 chemical control *Trisetacus juniperinus*, Italy 546.
 chemical control Trombiculidae 529.
 chemical control *Xyleborus formicatus* 2058.
 chemical control, *Culicoides molestus* 2977.
Choristoneura fumiferana, review 5700.
Chrysotoxomyia biological control *Coelaenomenodera* 4809.
 Coccinellidae biological control Aphididae 1225.
 control programmes, Culicidae 9576.
 control programmes *Acyrtosiphon kondoi* / *Therioaphis trifolii* 3952.
 Culicidae 2870.
Culicoides belkini, Polynesia 4781.
 cultural control, pheromones, environmental impact 7905.
 cultural control, pheromones, Lepidoptera 7092, 7877.
 cultural control, pheromones, review 9608.
 cultural control, *Spodoptera frugiperda* 8763.
 cultural control *Acyrtosiphon kondoi* / *Therioaphis trifolii* 9620.
 cultural control *Aedes aegypti* 8085.
 cultural control *Amrasca devastans* 3065.
 cultural control Aphididae 5703.
 cultural control *Brassica oleraceae* pests 2074.
 cultural control/chemical control *Atherigona soccata* 9594.
 cultural control *costelytra zealandica* 3950.
 cultural control *Costelytra zealandica*, grasslands 3954.
 cultural control *Epitrix hirtipennis* / *Heliothis virescens* / *Manduca sexta* 5672.
 cultural control *Heliothis zea* 1248, 8739.
 cultural control *Inopus rubriceps*, grasslands 3968.
 cultural control Insecta pests, grasslands 3992.
 cultural control *Myzus persicae* 9597.
 cultural control *Ornithonyssus sylviarum*, chickens 2044.
 cultural control *Panonychus ulmi* 1243.
 cultural control *Perissopneumon tectonae* 4828.
 cultural control *Pheidole megacephala* / *Solenopsis geminata* 3081.
 cultural control *Pityogenes chalcographus* 4810.
 cultural control Scolytidae 9596.
 cultural control *Spodoptera frugiperda* 8735.
 cultural control *Spodoptera litura* 7102.
Turculio chinensis 7871.
Ugesia dorotocephala biological control Chironomidae / Culicidae 4780.
Utomophthora fresenii biological control *Aphis fabae* 556.
 rtilizers, cultural control *Tryporyza incertulas* 3050.
ormica lugubris biological control *Choristoneura fumiferana* 3091.
 eezing, *Lasioderma serricorne* 9598.
ambusia affinis biological control Culicidae 3921.
 enetic control, behavioural genetics, *Stomoxys calcitrans* / *Musca autumnalis* 4775.
 enetic control, Culicidae 2032.
 enetic control *Anopheles albimanus* 8707.
 enetic control *Blattella germanica* 533.
 enetic control *Cochliomyia hominivorax* 1261.
 enetic control *Cydia pomonella* 8661.
 enetic control *Ephestia cautella* 3089.
 enetic control *Galleria mellonella* 4545.
 enetic control *Musca domestica* 1063.
 at, water, *Solenopsis* 3015.
 secta, bakeries 2981.
 secta pests, grasslands, New Zealand 3980.
 secta pests *Gossypium*, Australia, review 3033.
 egrated control, *Delia coarctata* 9617.
 integrated control *Agrotis ipsilon* / *Pseudaletia unipuncta* 3077.
 integrated control *Chilo partellus* 1996.
 integrated control *Dendrolimus punctatus* 6334.
 integrated control *Diabrotica* 2088.
 integrated control *Diatraea saccharalis* 7083.
 integrated control *Empoasca kraemeri* 7072.
 integrated control *Glossina palpalis* 7050.
 integrated control *Gossypium* pests 7893.
 integrated control *Haemaphysalis longicornis* 8696.
 integrated control *Heliothis* 3956.
 integrated control *Hypera postica*, mathematical models 4817.
 integrated control *Myzus persicae* 568.
 integrated control *Operophtera brumata* / *Tortrix viridana* 8738.
 integrated control *Paederus sabaeus* 9562.
 integrated control *Panonychus ulmi*, orchards, New Zealand 1247, 2090.
 integrated control pests, Netherlands, book 5047.
 integrated control pests *Malus* 7887.
 integrated control pests ornamental plants 5686.
 integrated control *Phorodon humuli* 9627.
 integrated control *Spodoptera littoralis* 2065.
 integrated control *Tetranychus urticae* 1246.
 maize dwarf mosaic virus, Aphididae vectors 9473.
 mathematical models, chemical control Orthoptera 9621.
*Monomorium pharaonis*pheromones 2770.
Musca autumnalis, review 1193.
 Nematoda biological control Insecta, review 4804.
 oviposition deterrents, *Rhagoletis cerasi* 7901.
Pegomyia hyoscyami, Poland 9536.
 pest control, bibliography, *Araecerus fasciculatus* 8730.
 pest control, bioassays, Simuliidae 7842.
 pest control, book 2265, 2266.
 pest control, Culicidae, bibliography 8715.
 pest control, diseases vectors, review 8698.
 pest control, Fiji, review 1262.
 pest control, Guinea 3977.
 pest control, malaria, Nigeria, book 736.
 pest control, mathematical models, *Spodoptera frugiperda* 8729.
 pest control, neurotoxicity insecticides, review 561.
 pest control, pheromone traps 4845.
 pest control, *Quadrastipidiotus perniciosus* 5859.
 pest control, review 1236.
 pest control, *Spodoptera frugiperda* 8756, 8771.
 pest control, Taiwan, review 7885.
 pest control, USA, book 6537.
 pest control, USA, review 7878, 8758.
 pest control, use diatomaceous earth 6340.
 pest control, *Vespa germanica* 8747.
 pest control Acari, cattle, Australia Queensland 1214, 1216.
 pest control *Aedes sierrensis* 2040.
 pest control Aphididae, review 1333.
 pest control *Blattella germanica* / *Rhipicephalus sanguineus* 9585.
 pest control Blattodea 8724.
 pest control Chironomidae, review 5647.
 pest control *Choristoneura fumiferana*, conference 3262.
 pest control *Culex quinquefasciatus*, review 2014.
 pest control Culicidae 2027.
 pest control Culicidae, review 2046, 2983, 8723.
 pest control *Dendroctonus ponderosae* 3075.
 pest control equipment, insecticides 1221.
 pest control *Glossina* 2993.
 pest control Isoptera, Egypt, Arab Rep., review 2070, 2097,

Control,(continued)

2099.
 pest control Isoptera, Sudan 2093.
 pest control orchards, pesticide resistance 1250.
 pest control *Phlebotomus papatasi* 2037.
 pheromone traps, *Adoxophyes* 3990.
 pheromone traps, *Adoxophyes fasciata* 2092.
 pheromone traps, *Cydia pomonella* 4842, 5708.
 pheromone traps, *Lobesia botrana* /*Eupoecilia ambiguella* 5676.
 plant protection fruits 4818.
 radiation (γ), pest control *Tribolium castaneum* 3098.
 role pesticides, review 1224.
 Scarabaeidae, review 1075.
Spalangia endius biological control *Musca domestica* /
Stomoxys calcitrans 535.
 sterile-release, *Aedes aegypti* 3902.
 sterile release, *Aedes sierrensis* 2054.
 sterile-release, mathematical models 3976.
 sterile-release, *Plodia interpunctella* /*Tribolium castaneum* 5425.
 use diflubenzuron, integrated control orchards pests 3058.
 use viruses, safety 573.
 viruses biological control Insecta, review 3938.
 viruses biological control pests 552.
Zea mays pests, weeds mangement 4846.
- Conwentzia**,
 mating behaviour 8560.
- Cook Is.**,
 biology/ecology/pest status *Culicoides belkini* 2013.
 breeding sites/control *Culicoides belkini* 4781.
 new records Phytoseiidae 6460.
- Cooloola**,
 new genus, Australia 6692.
- Cooloolidae**,
 new family, Australia 6692.
- Copelatus**,
 larvae, mouthparts, functional morphology 1665.
 new species, Angola 5096.
 new species, Gabon/Ivory Coast 2298.
Copelatus gardineri,
 taxonomy 1451.
Copidognathus,
 new species, USA 2276, 7246.
Copidosoma koehleri,
 biological control *Phthorimaea operculella* 4805.
Copipanolis styracis,
 first record, British Isles 2201.
- Copper**,
 effects on development, *Homona coffearia* 2724.
 toxicity, *Tanytarsus dissimilis* 1778.
- Copromorphidae**,
 taxonomy 848.
- Copromorphoidea**,
 taxonomy 848.
- Copromyza**,
 new species/zoogeography, Austria Tyrol 6625.
- Coptocephala**,
 revision, France 8129.
Coptocephala unifasciata,
 new subspecies, Iran 1445.
Coptoformica exsecta,
 ecology/biology 9637.
- Coptopteryx viridis*,
 life cycles/population dynamics 373.

- Coptosoma scutellarum*,
 secretion, adhesion fluids 6837.
- Coptotermes**,
 baits 7410.
 wings ultrastructure, evolution 9716.
- Coptotermes acinaciformis**,
 bioassays, methodology 7418.
 survival/feeding, rearing containers effects on 1816.
- Coptotermes formosanus**,
 chemical control 2091.
 longevity, soil organic matter effects on 6112.
 trail following behaviour 4604.
- Coptotermes heimi**,
 trail pheromone 8434.
- Coptotermes lacteus**,
 β -D-glucosidase, gut 6036.
 gut, redox properties 5291.
- Copulation**,
 see **Mating**
- Coquillettia**,
 new species, Canada 84.
- Coquillettidia perturbans**,
 gonotrophic cycles 5438.
- Corcovadocola**,
 new species, Brazil 5912.
- Corcya cephalonica**,
 development, humidity/temperature effects 6151.
 growth regulators effects on development 7608.
 ovary, altozar effects on 7605.
 parasitism 2843, 5543, 5547, 6227.
 temperature effects on development 9332.
- Corduliidae**,
 egg masses 6742.
 habitats 6299.
 life cycles 7697.
 new species, Australia 5958.
 new species/new records, Brazil 6690.
 sense organs 6770.
- Coreidae**,
 adaptations 5336.
 association *Ferocactus gracilis* 4698.
 behaviour 3680, 4688.
 biology 1883.
 new species, Costa Rica/Panama 8213.
 new species, Ecuador 1492.
 new species, Mexico 8211.
 new species, Pakistan 809.
 pests 2878, 7874.
 phenology 404.
 populations 3891.
 taxonomy 5134, 8212.
- Coremacera**,
 taxonomy 8195.
- Corethrella**,
 taxonomy/new species, Japan 1474.
- Corfu**,
 new species Pallopteridae 8194.
- Corixa**,
 sodium chloride, ion exchange, pH effects 4466.
 sound production 8566.
- Corixidae**,
 behaviour 2635, 7666.
 communities 9545.
 ecology 3118.
 excretory systems 4398.
 feeding 2825.

- Corixidae**, (continued)
 osmoregulation 4466, 5340.
 populations 7811.
 revision, Argentina 5135.
 sound production 8566.
 survival, oxygen effects on 7113.
 zoogeography 8036.
- Corizus**,
 new species, India 9065.
- Cormocephalus dentipes**,
 taxonomy 4305.
- Cormocephalus pygmaeus**,
 taxonomy 6707.
- Cormodes**,
 taxonomy 5848.
- Cornigamasus**,
 new species, Palaearctic Region 1425.
- Corpora allata**,
 effects on fibroin mRNA biosynthesis, silk gland, *Bombyx mori* 2623.
 effects on flight muscle development, *Locusta migratoria* 3643.
 effects on lipids release, *Achaea janata* 2600.
 histology, *Poeciloceris pictus* 2634.
 juvenile hormones biosynthesis, environmental effects, *Tenebrio molitor* 3548.
 neurohaemal organs, prothoracicotrophic hormone, *Manduca sexta* 2598.
 neurosecretion, *Lygaeus pandurus* 2629.
 precocene effects on, *Locusta migratoria* 3654.
 role, vitellogenesis *Locusta migratoria* 1828.
- Corpora cardiaca**,
 histology/ultrastructure, *Ephemera danica* 1723.
 neurosecretion, *Lygaeus pandurus* 2629.
- Corrinea**,
 new genus, Neotropical Region 8149.
- Corse**,
 see **Corsica**
- Corsica**,
 check lists Tineidae 1522.
 new species Palaearctic Region 3332.
 new species Tortricidae 8281.
- Corticarina**,
 new species, Argentina 4202.
 new species, Congo, People's Rep. 5833.
 new species, Tanzania 2324.
 new species, USSR 6583.
 new species, Viet Nam 4203.
- Corticeus**,
 population dynamics, association *Dendroctonus frontalis* 4756.
- Corydalidae**,
 chromosomes 4909.
 phoresy 7731, 9447.
 taxonomy 8287.
- Corydalis cornutus**,
 phoresy Corydalidae 9447.
 sex chromosomes segregation 4909.
- Corylobium avellanae**,
 pathology *Entomophthora planchoniana* 7547.
- Corynephoris**,
 parasitism 4671.
- Corynoneura**,
 new species, USA 1475.
 population levels, lakes, Japan 1991.
- Corynoneura carriana**,
 first record, Czechoslovakia 1274.
- Coryphagrion grandis**,
 breeding sites, first record 4744.
- Coryphium**,
 new species, USSR 8158.
- Corythucha associata**,
 bionomics 3719.
- Corythucha cydoniae**,
 host plants, new records, *Rosa* 9613.
- Cosmilotes consortella**,
 first record, Netherlands 7205.
- Cosmochthoniidae**,
 taxonomy 1422.
- Cosmochthonius**,
 new species, USSR 1422.
- Cosmoledo Atoll**,
 check lists Cicadellidae 4254.
- Cosmopolites sordidus**,
 toxicity insecticides 8476.
- Cossidae**,
 morphology 2470.
 new species, USA 5185.
 pests 5695.
- Cossula magnifica**,
 pest status, *Carya pecan* 5695.
- Costa Rica**,
 new records *Chrysomya* 9758.
 new species Coreidae 8213.
 new species Curculionidae 7280.
 new species Entomobryidae 8170.
 new species Epermeniidae 116.
 new species Notodontidae 3393.
 new species Pygmephoridae 4161.
 new species Romaleidae 8292.
 new species Satyridae 5205.
 new species Scarabaeidae 1461.
 new species Tortricidae 7390.
- Costelytra zealandica**,
 attractants, fluorophenols 1696.
 chemical control 3948.
 chemical control, New Zealand, review 3987.
 cultural control 3950.
 cultural control, grasslands 3954.
 ecology, mathematical models 3864.
 larvae, energetics 3519.
 larvae, sampling, methodology 3431.
 Leguminosae phytoalexins effects on feeding 1141.
 life cycles, environmental effects 3730.
 mortality factors 3880.
 pest resistance Leguminosae, feeding deterrents 3794.
 pests resistance *Trifolium repens* 3809.
 phenology, New Zealand 3735.
 population dynamics, environmental effects 3828.
 population dynamics, grasslands species composition effects on, New Zealand 3829.
 populations, distribution, soil, mathematical models 3895.
 viruses 286.
- Cote d'Ivoire**,
 see **Ivory Coast**
- Cothonasps**,
 alcohol resistance, sexual dimorphism 9457.
- Coula**,
 new genus, Leptophlebiidae 1490.
- Courtship**,
 see also **Mating, Behaviour**
- Araneidae 351.
 behavioural genetics, *Drosophila melanogaster* 2174.
Cydia pomonella 352.

Courtship,(continued)

- Harpobittacus australis* 1855.
Nauphoeta cinerea 1068.
Pieris protodice females 3681.
Scolytus multistriatus 2755.
 sound production, behavioural genetics, *Drosophila* 1334.
 sound production, *Drosophila* 2767.
 sound production role, *Nasonia vitripennis* 1863.
 speciation, *Pardosa laura* 1057.
 visual perception, mate selection, photoreceptors mutants,
Drosophila melanogaster 2176.
- Cousya nitidiventris**,
 first record, German, Dem. Rep. 1363.
 first record, German Dem. Rep. 3197.
- Crabro**,
 nesting behaviour 4644.
 nests/nesting behaviour 1861.
- Crambinae**,
 flight activity, environmental effects 4608.
- Craneiohia corni**,
 galls, damage, host plants 6244.
- Craniophora pontica**,
 first record, Italy 1383.
- Craspedolepta**,
 new species, USSR 7347.
- Crassisternalna**,
 new genus, Malagasy Rep. 820.
- Cratospila**,
 new species, India/Bhutan 6658.
- Crebeta**,
 new species, Nepal 6672.
- Creighton, J. T.**,
 bibliography 1.
- Creightonella**,
 new species, Muscat and Oman 5935.
- Crematogaster**,
 competition *Camponotus femoratus* / *Monacis debilis* 9551.
- Crematogaster ashmeadii**,
 predation *Eriocraniella* 418.
- Crepidodera brevicollis**,
 first record, Italy North 667.
- Cretaceous**,
 fossils, new species Empidoidea, USSR 1469.
- Crete**,
 new records Lepidoptera 4124.
 new species Carabidae 8998.
 new species Helodidae 53.
 new species Ochthebiidae 6586.
- Cretomicrophorus**,
 new genus, fossils, Cretaceous, USSR 1469.
- Cretoplatypalpus**,
 new genus, fossils, Cretaceous, USSR 1479.
- Cricotopus**,
 new species, India 4227.
 taxonomy 5881.
 toxicity insecticides 6852.
- Cricotopus silvestris**,
 chemical control 2987.
 larvae, populations, spatial distribution, paddy fields, USA
 California 1186.
- Cricotopus trifasciatus**,
 population levels, lakes, Japan 1991.
- Criocephalus rusticus**,
 first record, British Isles Wales Monmouthshire 654.
- Crioceris**,
 chromosomes 5734.
 parasitism 3760.
 pest status, *Asparagus* 7890.
- Crocidolomia binotalis**,
 chemical control 3106.
- Crocothemis**,
 new species, Malagasy Rep. 7397.
- Crosita**,
 check lists, India 2314.
- Crossocerus**,
 new species, Australasian Region 844.
- Crossocerus congener**,
 first record, Germany, Fed. Rep. Rheinpfalz 4118.
- Crossocerus podagricus**,
 new records, Germany, Fed. Rep. Rheinland 4115.
- Crossosoma**,
 new species/new records, Italy 3415.
- Crossotarsus**,
 new species, Australia 2333.
- Crossotarsus niponicus**,
 association fungi 1905.
- Crossotarsus nitescens**,
 taxonomy 4182.
- Crowding**,
 diapause induction, genotype-environment interactions,
Ephestia cautella 2709.
 effects on alary dimorphism, *Laodelphax striatellus* 3167.
 effects on longevity, *Vespa orientalis* 1018.
- Cruria donowani**,
 host plants, *Alocasia macrorrhizos* 6990.
- Crymodes devastator**,
 attractants 5328.
- Crynoides peregrinus**,
 neuroendocrine system, histology, brain 2525.
- Cryphalus**,
 taxonomy 4181.
- Cryphia petrea**,
 first record, France 4126.
- Cryphoea**,
 zoogeography/new species, Italy/Turkey 5064.
- Cryptobium collare**,
 first record, Sweden 672.
- Cryptoblades angustipennellia**,
 damage/pest resistance *Sorghum vulgare* 2878.
- Cryptobothrus chrysophorus**,
 intraspecific hybridization, chromosomes, heterochromatin
 618.
- Cryptocellus**,
 taxonomy 2295.
- Cryptoccephalus**,
 new species, Iran 1445.
 taxonomy/check lists, Middle East/Africa 3315.
- Cryptoccephalus cruciger**,
 new records, Finland 8908.
- Cryptoccephalus zarudnianus**,
 taxonomy 1445.
- Cryptocercidae**,
 mutualism 8609.
- Cryptocercus relictus**,
 symbiosis *Blattabacterium* 5538.
- Cryptocercidae**,
 mutualism 5538.
- Cryptocercus punctulatus**,
 protozoa symbionts, digestive systems 8609.
- Cryptocheiridium**,
 new species, fossils, Dominican Rep. 8988.
- Cryptochronomus**,
 taxonomy 68.

- Cryptococcus fagi*, insecta association, forests, France 5599.
transmission beech bark disease 1940.
- Cryptococcus fagisuga*, association *Nectria coccinea* canker, *Fagus* 3797.
dispersal, larvae 5575.
traps 2458.
- Cryptocranium*, new species, Brazil 775.
- Cryptodesmidae*, new records, Fiji 3192.
- Cryptolaemus montrouzieri*, growth regulators, diflubenzuron 6136.
toxicity insecticides 7565.
- Cryptolechia metaphaella*, taxonomy 6671.
- Cryptolestes*, pest surveys, stored products, Australia Queensland 3064.
- Cryptolestes pusilloides*, infestations *Arachis hypogaea*, Italy 572.
- Cryptophagidae*, new records, Italy 6504.
new species, Spain 49.
new species, Sweden 7267.
taxonomy 6571.
- Cryptophagus*, new species, Spain 49.
- Cryptophila*, taxonomy 7391.
- Cryptophlebia leucotreta*, chemical control, *Gossypium hirsutum*, Burundi 3044.
cocoon 409.
eggs 408.
pheromone traps 5970.
taxonomy 9101.
- Cryptophlebia ombrodelta*, hymenoptera/Diptera parasites, Australia Queensland 435.
sampling, methodology 4328.
- Cryptopleurum*, taxonomy 9012.
- Cryptopleurum subtile*, first record, German Dem. Rep. 8018.
- Cryptopygus antarcticus*, feeding/growth 5490.
- Cryptopygus fasciatus*, foraging behaviour 7720.
- Cryptotermes*, revision, South Africa 5026.
- Cryptotermes brevis*, biology/phenology/swarming behaviour, Egypt 2818.
- Cryptovelia*, new genus, Brazil 5137.
- Ctenacaridae*, taxonomy 4150.
- Ctenicera aeripennis*, carbon dioxide production, measuring techniques 5974.
- Ctenicera destructor*, larvae, sensilla innervation, mouthparts 1622.
- Ctenicera pulchra*, life cycles 6184.
- Ctenidae*, new species, Somali Dem. Rep. 5066.
production 6914.
taxonomy 5065, 6557.
- Cteniza*, mouthparts 9135.
- Ctenizidae*, embryology 8506.
- Ctenocarabus galicianus*, biology/ecology 2800.
- Ctenocephalides*, chemical control 7057.
parasitism dogs/cats, British Isles London 7066.
- Ctenocephalides canis*, antennae, sense organs 4366.
isolation Rickettsiales 6322.
parasitism goats/sheep 522.
pathology, *Leptomonas* 7557.
- Ctenocephalides orientis*, chromosomes, elimination 4887.
- Ctenodesmus*, new species, Kenya 5221.
- Ctenolepisma*, new species, USSR 153.
- Ctenophthalmus pseudagrytes*, parasitism *Rattus norvegicus* 2849.
- Ctenoplectra*, phylogeny/biology 2197.
- Ctenoplectridae*, phylogeny/biology 2197.
- Ctenoplectrina*, phylogeny/biology 2197.
- Ctenuchidae*, new species, Ecuador/Peru 850.
- Ctenus*, new species/new records, Ethiopian Region 6557.
revision, Ethiopian Region 5066.
taxonomy 5065.
- Cthoniidae*, predation 9541.
- Cuba**, check lists Aphidiidae 8078.
geographical distribution *Cryptocellus paradoxus* 2295.
new species Chrysididae 5162.
new species Gnaphosidae 21.
new species Hydraenidae 8146.
new species Oribatei 1424.
new species Pseudoscorpiones 1438.
new species Scarabaeidae 3326.
new species Schizomidae 8991.
- Cubanochirus*, taxonomy/phylogeny 756.
- Cubitermes severus*, midgut, actinomycetes colonization 5540.
- Cucujidae**, chitin inhibitors 1049.
pests 572, 3064.
radiation (y) 326.
repellents 3551.
- Cuculicola**, new species, New Zealand 2436.
- Cuerna costalis*, biology/ecology, USA Florida 3094.
- Culex**, abundance, seasonal variations 8677.
abundance, seasonal variations, Nigeria 9544.
Bacillus sphaericus bacteria 6089.
biological control 2978, 3900.

Culex, (continued)

- breeding sites/population density/niches, Venezuela Caracas 3901.
 circadian rhythms flight, regulation 2557.
 esterase enzyme polymorphism, pesticide resistance 8309.
 genitalia 909.
 habitat utilization, seasonal variations 8670.
 infection fungi 6222.
 insecticides susceptibility 5378.
 isolation fungi 1745.
 Japanese encephalitis virus 4788.
 juvenile hormones effects on biting behaviour 3709.
 larvae 7436.
 larvae, age assessment 6723.
 larvae ecology/adults dispersal, USA California 2110.
 new species, Japan 1476.
 nutrition/feeding mechanisms 1919.
 ovary, detection *Wolbachia* 1746.
 oviposition/hatching, temperature effects 7607.
 pathogenicity *Bacillus thuringiensis* 4494.
 pharynx, anatomy effects on *Brugia malayi* transmission 1664.
 population density/predation, ponds 8791.
 population studies, oviposition/seasonal variations 6308.
 reproduction, overwintering 7719.
 resistance insecticides 8485.
 salivary gland proteins 2622.
 taxonomy 5125.
 transmission Rift Valley fever virus 3023.
 vectors *Plasmodium elongatum* 7851.
***Culex annulirostris*,**
 population growth, temperature effects 6279.
 population studies, South Australia 506.
 transmission *Eperythrozoon ovis* 7056.
 transmission Murray Valley encephalitis virus 536.
***Culex australicus*,**
 population studies, South Australia 506.
***Culex bihaicolus*,**
 population structure, competition effects on 8656.
 resource partitioning, *Heliconia aurea* communities 4745.
***Culex fatigans*,**
 competition, *Aedes aegypti* 4743.
 growth regulators, altozar 7603.
 pathogenicity *Bacillus sphaericus* 8454.
 pesticide resistance, DDT, India Kanpur 1013.
 predation 7691.
***Culex machadoi*,**
 taxonomy 4230.
***Culex nigripalpus*,**
 bionomics, USA Florida 507.
 chemical control 534, 7847.
 diets effects on survival/mating/oviposition 1799.
 ovary, proteins biosynthesis 347.
 ovary development, seasonal variations 6909.
 vectors malaria, USA Florida 3905.
 vitellogenesis 4563.
***Culex pipiens*,**
 autogeny/anautogeny 7575.
 autogeny biotypes, biometrics 9141.
 biological control 2043.
 cell lines, arbovirus replication 4490.
 chemical control/toxicity permethrin 6326.
 control/toxicity seeds mucilage 2870.
 eggs mechanical properties/oviposition 7647.
 ethanolamine kinase 7498.
 fatty acids requirements, development/flight 1660.
 feeding blood meals, methodology 2461.
 glycerol-3-phosphate dehydrogenase (NAD⁺), isoenzymes 8855.
 heterogeneity *Wuchereria bancrofti* 2033.
 hexokinase enzyme polymorphism 4936.
 insecticides resistance 4513, 6859.
 larvae, pathogenicity *Bacillus sphaericus* 3584.
 Malpighian tubules, localization carbonate dehydratase 6788.
 nutrition, arachidonic acid 3500.
 oviposition, phenology 2756.
 Papua New Guinea, Hermit Is./Wuvulu I. 9761.
 pathogenicity *Metarhizium anisopliae* 3585.
 pest status, dairies, USA California 2041.
 pesticide resistance, temephos selection 294.
 phyto bacteriomyacin toxicity 298.
 population levels, breeding sites effects on 8685.
 populations, spatial distribution, paddy fields, Japan 2962.
 prey *Dugesia dorotocephala* 2018.
 resistance pesticides (organophosphorus), geographical variations 7570.
Romanomermis culicivorax infection, population studies 2650.
 toxicity *Bacillus thuringiensis* 7563.
 toxicity *Bacillus thuringiensis* insecticides 7567.
 toxicity permethrin 7071.
 toxicity resins 3603.
 translocations 4900.
 transmission Rift Valley fever virus 6318.
 transmission St. Louis encephalitis virus 1217.
 transmission western equine encephalitis virus 1207.
 transmission *Wuchereria bancrofti*, mathematical models 3926.
 vectors, *Wuchereria bancrofti* 9554.
***Culex quinquefasciatus*,**
 behaviour/life cycles/reproduction 8602.
 biological control 6842.
 biology/control, review 2014.
 chemical control 9570.
 circadian rhythms flight activity, mathematical models 1646.
 development, head, sexual dimorphism 4517.
 distribution, Hawaii Mauna Loa 4724.
 ecological genetics, reproductive isolation 8891.
 intraspecific hybridization 4945.
 malathion resistance 6864.
 mating behaviour 6925.
 oviposition/phenology/populations 405.
 permethrin penetration/toxicity, relationship pesticide resistance 1773.
 pesticide resistance 1770, 1772.
 pesticide resistance, genes 2135.
 resistance/cross-resistance insecticides 6855.
 resistance pesticides (organophosphorus) 6866.
 rose eye mutant 627.
 toxicity *Bacillus thuringiensis* 6870.
 transmission *Wuchereria bancrofti* 4786.
***Culex restuans*,**
 pathogenicity *Bacillus* 7558.
***Culex salinarius*,**
 age relationship fecundity 7641.
***Culex tarsalis*,**
 biological control 3915.
 eye-colour mutant 1323.
 gonads development, temperature effects 7611.
 mating, radiation (γ) effects on 9362.
 mating, radiation effects on 7622.
 mutants, gene mapping/sex linkage 631.
 p-nitrophenylacetate hydrolysis 7505.
 pest status, dairies, USA California 2041.

***Ulex tarsalis*, (continued)**

- pest status/biological control 3002.
 pesticide resistance 1770.
 radiation (γ) effects on fertility/mating 1046.
 traps 3430.
 vectors western equine encephalitis virus 9564.
***Ulex thalassius*,**
 flight velocity 2785.
***Ulex tritaeniorhynchus*,**
 eye colour mutants, gene mapping 4921.
 eye pigmentation mutants, genes 8840.
 etah virus infection, Japan 3899.
 gonotrophic cycles 1836.
 mating competitiveness, chromosome aberrations effects on 8523.
 population dynamics, geographical variations 7812.
 populations, spatial distribution, paddy fields, Japan 2962.
 rearing 8317.
 reproduction competitiveness, chromosome aberrations 4941.
 survival, paddy fields 4766.
 survival/mortality factors, paddy fields 4767.
 susceptibility West Nile virus, environmental effects 1201.
 transmission (transovarial) Japanese encephalitis virus 3932.
 transmission West Nile virus 1218.
Culicidae,
 artificial colonization 4834.
 tractants 5464.
Culiseta sphaerica toxins 4500.
Culex 8454.
 behaviour 355, 3489, 3709, 4376, 4596, 5535, 6923, 6925, 7112, 7664, 7670, 9362, 9411.
 behaviour/populations 9329.
 bibliography 8715.
 bioassays 177, 2686.
 biological control 523, 1198, 1202, 2043, 2978, 2997, 3900, 3915, 3921, 4780, 4816, 5645, 6842, 7061, 7063, 7844, 8714, 9579.
 biology 1918, 6199, 7718, 8571, 8602.
 biology/geographical distribution, Germany, Fed. Rep. Bonn 2222.
 biometrics/populations 405.
 economics 1161, 5509.
 feeding behaviour 2975.
 carbon dioxide sensitivity 2015.
 cell culture 917, 3448, 9147.
 cells 9151.
 check lists, USA Michigan 5032.
 chemical control 534, 2028, 2980, 2987, 2990, 3930, 4782, 4783, 4792, 7049, 7054, 7058, 7062, 7071, 7847, 7852, 7867, 9560, 9570.
 chemical control, India 2995.
 chemical control, review 2020.
 chemical control/growth regulators 2669.
 chemical control/resistance 5643.
 chemical control/toxicity permethrin 6326.
 chemosterilants 2710, 3902.
 chromosome aberrations 9680.
 chromosomes 608, 1315, 2152, 3148, 3150, 4048, 4056, 4897, 4900, 6408, 7144, 7947, 7965, 8818, 8829.
 circadian rhythms 1646.
 communities 4745, 6303, 8670.
 competition 4743.
 control 2054, 3426, 4778.
 control programmes 9576.
 cultural control 8085.
 currents 8636.
 development 1175, 1805, 1832, 4517, 6190.
 development *Brugia malayi* 3912.
 diapause 3627, 7626.
 digestive systems 6030.
 dispersal 1972.
 ecological genetics 8309, 8867, 8877, 8891, 9710.
 ecology 480, 507, 2110, 3019, 3840, 3901, 4724, 4751, 4758, 7792, 8677, 9549, 3910.
 eggs 1846, 7647.
 emergence traps 3416.
 enzyme polymorphism 644, 2165.
 enzymes 250, 3501, 3661, 4426, 4936, 6788, 6789, 7170, 7498, 8855.
 epidemiology arbovirus, USA New York 1192.
 evolutionary genetics 4042.
 feeding 2461, 3751, 3913, 4374, 5239, 5529, 7490, 9439.
 fertility 1842.
 flight 371, 2785, 6943.
 genes 2125, 4921, 5728, 7927, 8800, 8802, 9668.
 genetic control 2032, 8707.
 genitalia 909.
 geographical distribution, Pacific Ocean Islands 4984.
 glands 2622.
 gonotrophic cycles 7635.
 growth regulators 3603, 7603.
 gut 239, 3505.
 gut/vector-borne diseases 1664.
 hatching 1795, 1827.
 hybrids 4080, 4945, 9698.
 immature stages 6723.
 insecticides effects on 922.
 insecticides susceptibility 5377, 5378.
 insecticides toxicity 1758.
 larvae 7436.
 larvicides, review 2986.
 life cycles 8593, 9324.
 marking and tracking techniques 9132.
 metabolism 249, 3544, 4420, 7505.
 microflora 6222.
 morphology 9141.
 mosquitoes 3585.
 mutation 597, 627, 631, 1285, 1323, 3152, 5742, 8840, 8843, 8845, 9688.
 new records, Canada Quebec 5029.
 new records, Germany, Fed. Rep. 2223.
 new records, USA 7222.
 new records, USA Alabama 3251.
 new records, USA Baltimore 3250.
 new records, USA Colorado 5031.
 new records, USA New Hampshire 8936.
 new records, USA West Virginia 5030, 5033.
 new species, Japan 1476.
 new species, Philippines 74.
 nucleic acids 1329, 2139, 7943, 7945.
 nutrition 1660, 1799, 3500, 4726, 6033, 9213.
 nutrition/feeding mechanisms 1919.
 oogenesis 1840, 3670.
 osmoregulation 3556.
 ovary, detection *Wolbachia* 1746.
 oviposition 1067, 2756, 3835.
 Papua New Guinea, Hermit Is./Wuvulu I. 9761.
 parasitism 2834, 2836, 6981, 9450.
 pathology 988, 1745, 2640, 2650, 3573, 3584, 3594, 4484, 4487, 4494, 4496, 4499, 6844, 7546, 7553, 7558.
 pathology, *Vavraia culicis* 9267.
 pest control 2027, 2870, 8723.
 pest control, review 2046, 2983.
 pesticide resistance 294, 306, 307, 1013, 1760, 1769, 1770,

Culicidae,(continued)

1772, 1773, 2135, 6859, 6862, 6863, 6864, 6868, 7573, 8472, 8485.
 pests 2014, 2040, 2041, 3002, 8695.
 phenology 411, 3750.
 phenology/breeding sites, USSR Povolzhie 3009.
 phylogeny 4976.
 population dynamics 492, 2048.
 population dynamics/chemical control, Fiji 3933.
 population genetics 7171.
 population studies 7805.
 populations 506, 527, 1199, 1203, 1562, 2010, 4714, 4766, 4767, 6279, 6308, 7812, 7825, 7840, 8656, 8684, 8685, 9544, 9552.
 populations, spatial distribution, paddy fields, Japan 2962.
 predation 2018, 7691, 7922, 8683, 8791.
 proteins 4417, 4428.
 proteins biosynthesis 347.
 protozoa 6083.
 radiation (γ) 1046.
 radiation effects on 7622.
 rearing 1542, 1550, 1865, 1910, 8317, 9416.
 repellents 4450, 5331, 7512, 9227.
 reproduction 1836, 4563, 4573, 4578, 4941, 5432, 5433, 5438, 5439, 6165, 6906, 6909, 6913, 7575, 7607, 7612, 7631, 7641, 7719, 8513, 8523, 9357.
 reproduction/populations 9346.
 reproduction/vector-borne diseases 8706.
 reproductive systems 6743, 7611.
 resistance 4513, 6866.
 resistance *Brugia* 8882.
 resistance insecticides 6855.
 resistance pesticides (organophosphorus) 7570.
 rhythms 2557.
 sampling 5597.
 Semliki Forest virus, infection, protein biosynthesis, *cell lines* viruses 9583.
 sense organs 223, 935, 1633, 2543, 6768, 7469, 8374.
 sterile-release 2039, 9339.
 sterilization 6157, 7060.
 taxonomy 2356, 2357, 3349, 4230, 5125, 5882.
 taxonomy/morphology 2358.
 toxicity aryl isothiocyanates 2667.
 toxicity *Bacillus thuringiensis* 5379, 6870, 7563, 8456.
 toxicity *Bacillus thuringiensis* insecticides 7567.
 toxicity bacteria 4512.
 toxicity bactericides 298.
 toxicity/effects on oviposition, plant extracts 7613.
 toxicity growth regulators/pyrethroids 5384.
 toxicity insecticides 5385.
 toxicity pyrethroids 528.
 traps 876, 3430.
 vector-borne diseases 515, 520, 525, 536, 1191, 1195, 1201, 1207, 1217, 1218, 2012, 2033, 2053, 2056, 2973, 2976, 3003, 3899, 3905, 3911, 3916, 3919, 3926, 3932, 4770, 4779, 4786, 4787, 4793, 4794, 5639, 5644, 6318, 6321, 6331, 6332, 7056, 7849, 7851, 7853, 7857, 7859, 7866, 8697, 8713, 8719, 8958, 9554, 9564, 9586.
 vector-borne diseases, *Aedes aegypti*, vectors, yellow fever virus 8703.
 vectors 3023.
 vertical distribution, forests, Czechoslovakia 512.
 viruses 998, 4490, 4788, 8459, 9268, 9275.
 vision, attractants, traps 3011.
 vitellogenesis 6162.
 zoogeography 3213, 3260.
 zoogeography/ecology, Canada Quebec 2246.

Culicoides,

biology/feeding/breeding sites 6200.
 bionomics/species composition 3019.
 breeding sites, USSR Donetsk 1975.
 development/transmission *Chandlerella chitwoodae* 2072.
 feeding site selection/seasonal variations abundance 8712.
 fertility, relationship feeding/life cycles/wings length 1848.
 host selection 1124.
 new records, Spain 5005.
 new species, Japan 3345, 5122.
 new species, South Africa 5878.
 pest control/repellents 9236.
 pupae 184.
 sampling, mangrove swamps mud 8315.
 species composition, sampling/seasonal variations 5595.
 transmission Rift Valley fever virus 3023, 4794.
 traps 4844.
Culicoides belkini,
 biology/ecology 2013.
 breeding sites/control, Polynesia 4781.
Culicoides brevitarsis,
 parasitism 6544.
Culicoides melleus,
 copulation 8489, 8539.
Culicoides mississippiensis,
 sampling, soil extraction 8308.
Culicoides molestus,
 chemical control 2977.
Culicoides nubeculosus,
Onchocerca cervicalis infected, bluetongue virus replication 3922.
Culicoides paraensis,
 vectors Oropouche virus 9578.
Culicoides phlebotomus,
 diel variations, biting/flight activity 8435.
 transmission *Mansonella ozzardi*, Trinidad 7070.
Culicoides varitipennis,
 emergence, circadian rhythms 3487.
 rearing 1887.
 rearing, methodology 4326.
 sampling, traps 9115.
Culicoides venustus,
 feeding behaviour 6963.
Culicoidini,
 keys 184.
Cullseta,
 abundance, seasonal variations 8677.
 larvae, age assessment 6723.
 nutrition 6033.
Cullseta annulata,
 first record, USA Baltimore 3250.
Cullseta incidens,
 biological control 6842.
Cullseta inornata,
 biology/ecology, aestivation 1918.
 feeding behaviour, chemical stimuli 9439.
 infection fungi 6222.
 proline metabolism 249.
Cullseta longiareolata,
 biology 7718.
 chromosomes, banding 1315.
Cullseta melanura,
 population dynamics/transmission eastern equine encephalitis virus 3910.
 vectors, eastern equine encephalitis virus, transmission (transovarial) 8706.

- uliset* *minnesotae*,
st record, USA New Hampshire 8936.
- uliset* *morsitans*,
ological control 9579.
- unaxidae*,
w species, Ethiopian Region 7241.
w species, South Africa 8964,8965.
- uniculina impigra*,
ipokinetic hormone/hyperglycaemic hormone
characterization 3546.
- upedidae*,
tra, structure 3445.
- apiennius salet*,
el activity locomotion 228.
emocyanin 4412.
genesis 6914.
- uracao*,
yiasis *Cochliomyia hominivorax* 1127.
- urculio caryae*,
mino acids, host plants 6790.
mergence, soil moisture effects on 1029.
- urculio chinensis*,
ology/control 7871.
- urculio elephas*,
w records, Poland 3207.
- urculionidae*,
mino acids 6790.
haviour 7663, 7701, 8581, 9113, 9429.
ological control 8743.
logy 2803, 3745, 5478, 7870.
logy/control 7871.
emical control 554, 1226, 2062, 2660, 3962, 3983, 5668,
5669, 5670, 6346, 6348, 6362, 8736, 8745, 9632.
emical control/toxicity insecticides 2082.
emosterilants 344, 2739.
tin inhibitors 1049.
omosomes 609, 6420, 7948, 7950, 9676, 9677, 9679.
d acclimation 5339.
d hardness 3560.
ntrol 6340.
icle 3455.
velopment 316, 9300.
pause 2705.
estive systems 9192, 9195.
persal 3815, 7779.
ological genetics 8881.
logy 491, 3844, 6373.
logy/life cycles 1947, 1948.
mergence 1029.
ymes 2583.
na, German Dem. Rep 7189.
na, Poland Pieniny Mts. 3205.
ding 415, 419, 9443.
ding behaviour 1128.
italia 3446.
with regulators 3628, 5405, 3630.
with regulators + radiation (y) effects on 9322.
mones 969.
t plants 9468.
t plants effects on 7759.
nature stages/host plants 7439.
nunology 1748.
ecticides 9288.
- insecticides toxicity 1015, 2663.
integrated control 4817.
life cycles 1892, 7699, 7700.
life cycles/host plants 9381.
longevity/reproduction 1800.
marking 2460.
marking and tracking techniques 8311.
metabolism 1675.
microflora 5541.
morphology 4336.
new records, British Isles 6470.
new records, British Isles Cumbria 2199, 7997.
new records, France Alsace 4994.
new records, Poland 669, 1367, 2220, 3207.
new species 50.
new species, Australian Region/Oriental Region/Palaearctic
Region 8138.
new species, Austria 8139.
new species, Belize/Costa Rica/Mexico 7280.
new species, Brazil 782, 783.
new species, Colombia/Panama 8135.
new species, France 3317.
new species, Neotropical Region 8136.
new species, Palaearctic Region 5094.
new species, USA 8140.
new species, USSR 5852, 8133.
new species/new records, Bulgaria (People's Rep.) 5853.
new species/new records, Italy/Sardinia/Turkey 1447.
orientation 366.
oviposition 203.
parasitism 3438.
pathology 1739, 1740, 4492, 6845, 7561.
pest control 8758.
pest resistance *Gossypium* 1131.
pest resistance *Gossypium hirsutum* 8626.
pest resistance *Ipomoea batatas* 471, 2872.
pest resistance *Medicago* 9474.
pest resistance *Pisum* 2858, 7896.
pest resistance *Pisum sativum* 8625.
pest resistance *Sorghum bicolor* stored products 2883.
pest resistance *Zea mays* 7760.
pests 567, 1233, 1244, 3029, 3035, 3049, 3064, 3076, 3789,
5663, 7895.
pheromone traps 1541.
pheromones 8567.
population genetics 2183, 5756.
population growth 493.
populations 4749, 5603, 6262, 6383, 7010, 8691, 9533.
predation 5608, 7727.
radiation (y) effects on 3635.
rearing 3429, 9119, 9335.
reproduction 1821, 5413.
reproduction/chromosomes 7951.
reproductive systems 3619.
residual effects permethrin 8479.
sampling 9623.
sound production 6077.
sterile-release 2059.
sterilization 5404, 5415, 6132, 9340.
symbiosis 5224.
taxonomy 784, 1448, 1449, 2317, 3296, 5093, 5095, 5851,
5854, 6572, 7279, 8134, 9008, 2318.
taxonomy/new records, Turkey 6573.
taxonomy/zoogeography 8064, 8137.
toxicity diflufenzuron 6098.
toxicity fumigants 9290.
toxicity insecticides 1756, 8470, 8476, 9276.

Curculionidae, (continued)

- toxicity 2,4-D 1008.
traps 1556.
vector-borne diseases 6994, 9634.
weed control *Carduus* 9610.
weed control *Carduus nutans* 1934.
zoogeography 8020, 9725.
- Curetidae,**
check lists, Taiwan 6519.
- Cuspicona simplex,**
life cycles/immature stages 1896.
- Cuterebra grisea,**
parasitism *Microtus townsendii* 6236.
- Cuterebridae,**
parasitism 3903, 3917, 6236.
- Cuticle,**
abdomen vesicles, *Campodea silvestrii* 3456.
Acari 9157.
amino acids penetration, *Cydia pomonella* 2507.
antibiotics/hormones effects on, *Tenebrio molitor* 328.
aromatic-L-amino-acid decarboxylase inhibitors effects on, *Lucilia cuprina* 5253.
Arthropoda, review 8351.
chitin biosynthesis + inhibitors, bioassays, *Stomoxys calcitrans* 212.
chitin biosynthesis, EL-494 effects on, *Lymantria dispar* 314.
chitin biosynthesis, imaginal discs *Plodia interpunctella* 1043.
chitin biosynthesis, metamorphosis, *Galleria mellonella* 2505.
chitin biosynthesis inhibition, insecticides, Insecta 922.
chitin inhibitors, susceptibility Coleoptera/Lepidoptera 1049.
components, taxonomy *Anopheles* 73.
deposition, role hormones, *Schistocerca gregaria* 1605.
dieldrin metabolism, *Calliphora erythrocephala* 2590.
epicuticle formation/sense organs, *Oniscus asellus* 1604.
esters, *Melanoplus differentialis* 4342.
glands, role termitophily, *Termitoides marginatus* 3562.
growth regulators/antibiotics effects on, *Stomoxys calcitrans* 6882.
gut, permeability, Insecta 2571.
head, *Triatoma infestans* 1601.
hydrocarbons, *Blaps mucronata* 3454.
hydrocarbons, *Callosobruchus maculatus* 9154.
hydrocarbons, *Gryllus pennsylvanicus* / *Nemobius fasciatus* 3458.
lipids, *Acheta domestica* 5254.
lipids, *Ceutorhynchus assimilis* 3455.
lipids, *Drosophila melanogaster* 6749.
lipids, *Eleodes armata* 6004.
lipids, sex differences, *Acheta domestica* 6003.
lipids, *Solenopsis* 6005.
lipids biosynthesis, *Paruroctonus mesaensis* 8352.
mechanical properties, *Rhodnius prolixus* 2504.
permeability chemicals, *Schistocerca gregaria* 9155.
phenoloxidase, *Calliphora vicina* larvae 6747.
phenols, *Choristoneura fumiferana* 1606.
physiology, Insecta, review 6750.
pigments, light/xanthines effects on, *Vespa orientalis* 2503.
proteins, *Calliphora vicina* 2502.
proteins, *Locusta migratoria* 9156.
proteins biosynthesis, development, *Tenebrio molitor* 1603.
proteins characterization, development, *Tenebrio molitor* 1602.
resilin, abdomen *Odontotermes obesus* 211.
sense organs, *Acheta domestica* 8381.
Stomoxys calcitrans pupae 4344.
tanning, *Manduca sexta* 210.
tanning, metabolism, *Manduca sexta* 4432.
tanning mechanisms, Insecta 4345, 4346.
temperature effects, *Centruroides sculpturatus* 3457.
trichomes development, *Drosophila melanogaster* 209.
ultrastructure, Collembola 4347.
ultrastructure/biochemistry, wounds, *Palamnaeus bengalensis* 6745.
water activity, Coleoptera/Scorpiones 8436.
water balance *Orchesella cincta* / *Tomocerus minor* 4471.
water budget, *Semiadalia undecimnotata* 2619.
waxes, biosynthesis, *Apis mellifera* 1670.
waxes, pheromones, response, *Nauphoeta cinerea* 3694.
- Cyaneolytta,**
new species, India 4204.
- Cyanogomphus,**
taxonomy/new records, Neotropical Region 3406.
- Cycetogamasus,**
new genus 5808.
- Cyclic nucleotides,**
flight muscle metabolism, *Locusta migratoria* 4416.
- Cyclocephala,**
new species, Ecuador 3327.
new species, Panama 4205.
new species, Venezuela/Costa Rica 1461.
sex pheromone 3726.
- Cyclodinus salinus,**
new subspecies, Italy 762.
- Cyclogethes,**
new species, India 7290.
- Cyclommatus elsaie,**
taxonomy 5101.
- Cycloneda sanguinea,**
toxicity insecticides 2679, 2681.
- Cycloprate,**
control *Tetranychus urticae* / effects on *Metaseiulus occidentalis* 2078.
- Cydia molesta,**
populations, monitoring, orchards, Australia 5693.
- Cydia nigricana,**
phenology/population levels, monitoring 7030.
pheromone traps 5975.
- Cydia pomonella,**
ascorbic acid/dehydroascorbic acid, effects on metabolism 5299.
behaviour, *Malus* odours effects on 6257.
chemical control 6346.
chemical control/pheromone traps 2098.
control, pheromone traps 4842, 5708.
cuticle, amino acids penetration 2507.
diapause, environmental factors 4540.
diapause, haemolymph proteins 6129.
diapause, temperature effects 6889.
dispersal 5577.
ecology/genetic control 8661.
integrated control 3058.
larvae, predation, birds 3857.
mating behaviour, radiation (γ) effects on 2759.
mating disruption 4832.
orientation visual stimuli/pheromones response, courtship 352.
oviposition site selection 3683.
pheromone traps 1558.
population studies, pheromone traps 6305.
population studies, pheromone traps efficiency 4313.
radiation (γ) effects on spermatozoa fertility 3651.
rearing, adaptations 315.

***Cydia pomonella*, (continued)**

rearing, effects on enzyme polymorphism 9123.
 sampling methodology 4823.
 sex pheromone rhythms, environmental factors 4436, 4588.
 spermatogenesis 7630.
 survival/reproduction, temperature effects 7621.
 toxicity diflubenzuron 6106, 6867.
 toxicity methyl bromide, age effects 6096.
***Cydia ptychora*,**
 biology, phenology *Vigna unguiculata* 9376.
 host preferences/oviposition site selection 3798.
Cydnidae,
 new records, Ecuador 8076.
 population studies 4737.
 taxonomy 5136, 7328, 8214.
***Cylas formicarius*,**
 chemical control 8745.
 insecticides toxicity, synergism 2663.
 pest resistance *Ipomoea batatas* 471, 2872.
***Cylindera*,**
 taxonomy 5091.
***Cylindronotus ruffoi*,**
 new subspecies, Italy 3337.
***Cylisticus*,**
 new species, Italy 8299.
Cynipidae,
 behaviour 4583.
 galls 3836.
 life cycles 1083.
 new species, Argentina 94.
 new species, Europe 2401.
 new species, USSR 9079.
 overwintering 370.
 parasitism 1927, 2945, 3765, 4631.
 taxonomy 2402, 4264.
 types 4258.
***Cynips*,**
 taxonomy 4264.
***Cynthia cardui*,**
 feeding behaviour, Graminae flowers 5573.
 haemolymph lipids, hormones effects on 7484.
 migration, Bulgaria (People's Rep.) 8646.
 migration, Denmark 3819.
Cypermethrin,
 control *Costelytra zealandica* 3948.
 control *Glossina*, effects on nontarget organisms 3053.
 control *Imbrasia cytherea* 543.
 toxicity, Chrysomelidae/Coccinellidae/Eulophidae 1777.
***Cyphaea curtula*,**
 first record, Czechoslovakia Moravia 3196.
Cyphoderus,
 new species, India 1464.
***Cypholoba*,**
 new subspecies, Ethiopian Region 5085.
***Cyphon*,**
 check lists/new species, USSR 5861.
 new species, Cocos (Keeling) Is. 5859.
 new species, New Caledonia 2322.
 new species, Oriental Region 5860.
 new species, Papua New Guinea/Sumatra 4201.
 new species, Viet Nam 2321.
 populations dispersal 5593.
***Cyphopisthes*,**
 new species, Sumatra 776.
***Cyphopisthes dohertyi*,**
 new records, India 776.

***Cyphosenus*,**

new species, Japan/Viet Nam 8138.

Cyprus,

new species *Diplopoda* 9112.
 new subspecies *Hadena trisagittata* 1520.

***Cyrtomenus teter*,**

first record, Ecuador 8076.

***Cyrtopeltis*,**

new species, Brazil 5912.

***Cyrtophora*,**

predatory behaviour 1114.

***Cystecochila*,**

taxonomy 5141.

***Cystodemus armatus*,**

water balance 6826.

***Cystosoma saundersii*,**

sound production, energetics 8447.

Czechoslovakia,

Coleoptera, *Riparia riparia* nests 9504.

first record *Folsomia dovensis* 794.

first record *Hyloniciscus transsylvanicus* 3241.

first record *Poecilimon intermedius* 2238.

first record *Satorystia meschniggi* 3195.

geographical distribution *Argas persicus* 7685.

Liptovska Mara Reservoir, Chironomidae colonization/
 community composition 1274.

new records, Chironomidae 1274.

new records Araneae 7183.

new records Asteiidae 3209.

new records Braconidae 4112.

new records Empididae 7197.

new records Ephydriidae 8028.

new records Heteroptera 9732.

new records Hippoboscidae 673.

new records Phoridae 2214.

new records Psyllidae 9073.

new species Drosophilidae 2361.

new species/new records Empididae 7310.

new species/new records Uropodidae 5062.

new species Salticidae 4168.

new species Uropodidae 5063.

pest status *Aphis fabae* /*Pegomya hyoscyami* 9624.

pest status *Aphis fabae* /*Pegomya hyoscyami* 3086.

Czechoslovakia Bohemia,

check list/new records Asilidae 1371.

Czechoslovakia Ceske Velenice,

check lists Lepidoptera 3219.

Czechoslovakia Jursky sur,

check lists/new records Phoridae 2214.

phenology/diurnal variations activity patterns, Tabanidae
 382.

Czechoslovakia Moravia,

first record *Cyphaea curtula* 3196.

Czechoslovakia Prague,

habitats/abundance *Ixodes ricinus* /*Neotrombicula
 autumnalis* 1994.

Czechoslovakia Slovakia,

check lists/new records Araneae 7183.

first record *Tribolium destructor* 3195.

Czechoslovakia Turiec Mts.,

check lists/ecology Asilidae 4110.

Czechoslovakia Vah Valley,

check lists/ecology Braconidae 4112.

Dactylophlebia,
new genus, Argentina/Chile 2380.

Dactylopius,
defence, cochineal 402.

Dactynotus,
new species, India 8229.

Dactynotus pseudotanacetii,
taxonomy/morphology 3366.

Dacus,
chromosomes 4889.
females, attractants, response 8433.
glands, sex differences 7534.
new species, Australia 8202.

Dacus cucumis,
new records, Australia Northern Territory 8081.

Dacus cucurbitae,
chemosterilants, effects on reproductive success 8534.
dispersal, environmental factors 7781.
mating behaviour 6175.
mating competitiveness 6916.

Dacus dorsalis,
diets 238.
diets/nutrition 175.
reproductive systems, ultrastructure/radiation effects on 2697.

Dacus oleae,
chemical control, review 7884.
development, host plants 6246
dispersal 7780.
dispersal/population structure, Crete 6998.
hatching, humidity effects on 2737.
life cycles/pest status, Libya, Arab. Rep. 6197.
metabolism carbohydrates, radiation (γ) effects on 6027.
nutrition, vitamins 9210.
nutritional requirements, reproduction 3503.
oviposition deterrents 7518.
pest outbreaks, phenology 6341.
pest status, *Olea europaea* 7097.
population density effects on development/survival 5417.
population genetics 7166.
population studies, McPhail traps 6355.
rearing, quality control 5234.
rectum, sex pheromone glands, ultrastructure 231.

Dacus tryoni,
sex pheromone receptors 9172.

Dagama,
new species, South Africa 4256.

Dagbertus,
new species, Brazil 4245.

Dahlia,
new species, France 8274.

Dakinomyia,
new species, Australia 796.

Dakinomyia froggattii,
new records, Australia 796.

Daktulosphaira vitifoliae,
chemical control 2083.

Dalbulus,
coevolution *Zea* 3784.

Dalbulus eltimatus,
transmission maize rayado fine virus 1951.

Dalbulus maidis,
transmission maize rayado fine virus 1951.

Dallasiellus,
keys 8076.

Damaeidae,
new species, Nearctic Region 5801.

Damalintia bovis,
biology/ecology 9557.
infestations, cattle, New Zealand 9555, 9556.

Danacaea,
revision, Italy 1450.

Danaidae,
behaviour 5573.
conservation 6268.
excretion 6032.
excretory 4397.
lipids 7484.
metabolism 6810.
migration 8644.
mimicry 4087.
mutation 5744.
new records, Iberian Peninsula 3226.
new species, Celebes 8259.
new subspecies, Philippines 112.
nutrition 8407.
osmoregulation 6828.
population genetics 1343.
tracking methodology 1555.

Danaus chrysippus,
diuresis 6032.
diuresis, hormones 6828.
first record, Iberian Peninsula 3226.
geographical variations polymorphism/mimicry 4087.
nutrition, food quality *Calotropis gigantea* foliage 8407.
population genetics, colour, polymorphism 1343.

Danaus gilippus,
feeding behaviour, Graminae flowers 5573.

Danaus plexippus,
conservation 6268.
emergence/feeding diuresis, hormones 4397.
haemolymph lipids, hormones effects on 7484.
metabolism lipids, migration 6810.

migration 8644.
mutation 5744.

Danothrips,
new species/new records, Indonesia/Malaysia/Philippines/St. Vincent 1532.

Dark,
see **Light, Photoperiod**

Darwinivella,
new genus, Galapagos 5137.

Dasineura,
biological control 7100.

Dasineura fraxini,
galls, damage, host plants 6244.

Dasineura mali,
pest status/biology/natural enemies, *Malus* 2804.

Dasiplos,
new species, Ethiopian Region 9048.
new species/host plants, Colombia/USA 8192.

Dasumia,
new records, Italy 5819.

Dasychira,
pest outbreaks, *Pinus roxburghii* forests, Pakistan Swat 3080.

taxonomy 856, 5950, 9093.

Dasychiridae,
taxonomy 856.

- Oasydera*, taxonomy 8151.
- Oasyhelea dufouri*, first record, Spain 5005.
- Oasyhelea thompsoni*, drought tolerance/survival, pools 4864.
- food availability, *Ptychadena anchietae* effects on 8672.
- Oasylaelia*, taxonomy 5950.
- Oasymutilla*, taxonomy 4272.
- Oasymutilla occidentalis*, defense secretions 4476.
- Oasyneura oleae*, life cycles 2779.
- Oasyneura pierreana*, calls, *Salix* 3342.
- Oasysyrphus*, taxonomy 9052, 9054.
- Oasytidae*, new species, Italy 1450.
- Oaulia*, taxonomy 6680.
- Oavila consanguineus*, taxonomy 810.
- DT**, permethrin, pesticide resistance, selection, *Anopheles stephensi* 1760.
- terrestris/toxicity, *Anopheles maculipennis* 1758.
- effects on flight activity, *Anopheles atroparvus* 371.
- effects on nerves, *Musca domestica* 304.
- pesticide resistance, *Culex fatigans*, India Kanpur 1013.
- pesticide resistance, selection, *Anopheles culicifacies* 307.
- pesticide resistance, Siphonaptera, Indonesia 4514.
- toxicity, *Chrysopa boninensis* 2787.
- DVP**, pesticide resistance, *Plutella xylostella* 570.
- de la Fuente, F.R.**, bibliography 752.
- de Lisle, M.O.**, bibliography 4.
- Debachella*, taxonomy/new species, Argentina 5155.
- decamethrin**, control Acrididae 3059.
- control *Glossina*, effects on nontarget organisms 3053.
- control *Heliothis virescens* 4811.
- control pests wool 3057.
- Decticus verrucivorus*, auditory perception, ultrasound 5271.
- embryology, humidity/temperature effects 9309.
- Dee**, new genus, USA 108.
- Defence**, see also **Behaviour**
- chitineal, *Dactylopius* 402.
- foration, *Anartia fatima* 2820.
- defensive behaviour, *Goniaea* 2822.
- plant extracts sequestering, *Euphydryas phaeton* 2823.
- steroids, *Photinus pyralis* 9214.
- Deilephila porcellus*, geographical distribution, Netherlands 4128.
- Deileptenia ribeata*, new records, Netherlands 1384.
- Deinacrida connectens*, biology/behaviour 1095.
- Deinacrida rugosa*, sound production 6078.
- Delamarentulus*, new species/new records, Gabon 149.
- Delemodacrys*, new genus, Brazil 772.
- Delia**, toxicity insecticides 6110.
- Delia antiqua*, alcohol dehydrogenase genes, gene mapping 3137.
- chromosome aberrations, radiation (neutron) 5735.
- chromosomes, segregation, translocations 4903.
- mutagenesis, radiation X 8841.
- oviposition site selection, soil moisture/planting density effects on 1032.
- population dynamics, crowding effects on 9522.
- reproduction, sex ratios/population density effects on 5410.
- Delia brassicae*, chemical control 559.
- compound eyes basement membranes 8371.
- mortality factors, overwintering pupae 5614.
- oviposition, attractants, *Raphanus sativus* volatiles 2895.
- oviposition/eggs survival 1174.
- pest status, *Brassica oleracea* 6342.
- pest status, *Brassica oleracea* 7084.
- pupae, mortality factors 2945.
- Delia coarctata*, chemical control 5661.
- eggs, sampling equipment 2449.
- integrated control 9617.
- Delia platura*, traps, sampling 884.
- Deliathis*, new species, Mexico 775.
- Delphacidae**, antifeedants 2885.
- attractants 9490.
- behaviour 6021.
- biology 3714, 6934.
- check lists/new records, Turkey 2226.
- chromosomes 8823.
- communication 1871.
- ecology 1178, 5594.
- feeding 165, 1113, 2867.
- leg spines 9136.
- natural enemies, review 7047.
- new records, Papua New Guinea 1498.
- new records, Poland 2225.
- new species, Argentina 2393.
- new species, China, People's Rep. 91, 5150.
- new species, New Caledonia 6645.
- parasitism 5546, 6224.
- pathology 3580.
- pest resistance *Oryza sativa* 8633.
- pest resistance *Saccharum* 9605.
- pesticide resistance/polymorphism 558.
- pests 7926.
- polymorphism 3167.
- predation 2946.
- rearing 4323.
- taxonomy 5142.
- toxicity carbofuran 3092.
- vector-borne diseases 1951, 1970, 9493.
- Delphacodes**, new species, Argentina 2393.

- Delphacodes campestris***,
biology 3714.
- Delphacodes luteola***,
community structure, grasslands 5594.
- Delphax crassicornis***,
first record, Turkey 2226.
- Deltochilum gibbosum***,
first record, USA Illinois 8934.
- Demeijerella***,
taxonomy 7391.
- Democratic Kampuchea***,
new subspecies Geometridae 3386.
- Demodex***,
biology/medical importance, review 9572.
new species, Australia/USA 7242.
new species, Surinam 8093.
parasites hamsters 445.
parasitism cattle 3018.
parasitism man 8701.
- Demodex bovis***,
parasitism cattle, transmission 6324.
- Demodex canis***,
infestations dogs 2994.
- Demodex caprae***,
lipids 4421.
- Demodex folliculorum***,
chemical control/parasitism 7845.
- Demodex marsupialis***,
parasitism *Didelphus marsupialis* 8093.
- Demodex suis***,
infestations pigs, Europe 524.
- Demodex zolophi***,
parasitism *Zalophus californianus* 2845, 7242.
- Demodicidae**,
chemical control/parasitism 7845.
lipids 4421.
new species, Australia/USA 7242.
new species, Surinam 8093.
parasitism 445, 2845, 2994, 3018, 6324, 8701.
pests 524, 9572.
- Demonax transilis***,
first record, Korea, Rep. 8024.
- Dendrocerus***,
new species, Algeria 2407.
taxonomy 838, 2406, 2408, 5937.
- Dendroctonus***,
antisera 7424.
pest status, *Pinus ponderosa* 5681.
- Dendroctonus brevicornis***,
damage *Pinus ponderosa* 4814.
pheromones, attraction disruption 9231.
population dynamics, pollution effects 6286.
- Dendroctonus frontalis***,
association *Corticus* 4756.
association *Heterobasidium annosum*, root rot *Pinus taeda* 1935.
attractants 4457.
attractants, associated fauna/natural enemies 6049.
chemical control 8741, 9609, 9631.
damage, mathematical models 4815.
development, methoprene effects on 6149.
fungi pathogenicity 3595.
galleries, measuring techniques 9120.
host selection 9379.
infestations *Pinus taeda*, sex ratios 7077.
interspecific interactions, resource partitioning, *Ips* 7820.
parasitism 9453.
pest attack, mathematical models 1230.
pest status, USA Florida 8770.
population dynamics 7004.
population dynamics, mathematical models 9499.
predation 6951.
- Dendroctonus jeffreyi***,
population dynamics, sampling, mathematical models 2959.
- Dendroctonus ponderosae***,
aggregation, *Pinus contorta* stands, mathematical models 1903.
attractants/*Pinus contorta* effects on behaviour 2862.
chemoreceptors, sensilla, ultrastructure 7479.
damage *Pinus murrayana*, mathematical models 465.
emergence/habitat selection 5489.
infestations, *Pinus contorta* 1239.
life cycles/pest control 3075.
pest attacks, *Pinus ponderosa* 4838.
population genetics 4956.
role *Pinus contorta* ecosystems 2084.
- Dendroctonus pseudotsugae***,
transmission *Fomitopsis pinicola* /*Cryptoporus volvatus*,
Pseudotsuga menziesii 9602.
- Dendroctonus rufipennis***,
competition/populations fitness 9507.
host plants effects on response pheromones 1136.
precocene, inhibition flight muscle degeneration 1817.
- Dendrolaelaps***,
new species, Poland 5811.
phoresy, *Monochamus alternatus* 2829.
- Dendrolimus pini***,
neurosecretion 8439.
- Dendrolimus punctatus***,
biological control 6374.
light traps, integrated control 6334.
- Dendrolimus sibiricus***,
biological control 7094.
- Dendrolimus spectabilis***,
sex pheromone 980.
- Denmark**,
biology/ecology *Noterus* 3116.
first record *Hylaes pectoralis* 3215.
first record *Lacanobia aliena* 3220.
first record *Loricula bipunctata* 6509.
heaths, occurrence/population density *Linyphia tenuipalpis* 2939.
Lepidoptera immigrants 679, 1377.
life cycles/pest status *Anthonomus rubi* 3029.
migration *Cynthia cardui* 3819.
new records Trichoptera 3240.
new species Braconidae 97.
new species Syrphidae 2370.
- Dentisca***,
taxonomy 1448.
- Deois flavipicta***,
pathogenicity *Metarrhizium anisopliae* 6087.
- Deraeocoris***,
new species, Canada 84.
- Deraeocoris nebulosus***,
eggs/oviposition 2477.
- Dereodius pollinosus***,
pest status, *Pinus*, India 3076.
- Dermacentor***,
cell culture 8349.
hosts/geographical distribution, USA Connecticut 3773.
transmission *Anaplasma marginale* 7864.
transmission tick-borne encephalitis virus 2035.

- ermacentor albipictus*,**
parasitism *Odocoileus* 439.
vectors, *Anaplasma marginale* / *Babesia caballi* 5654.
- ermacentor andersoni*,**
ecology Colorado tick fever ecosystems, USA Colorado 3928.
host resistance, rabbits 531.
organs, haemolymph/embryogenesis 3511.
tick-borne encephalitis virus replication, temperature effects 1205.
- ermacentor pictus*,**
vectors *Coxiella burnetii* 2999.
- ermacentor reticulatus*,**
feeding, age/habitats effects on 7724.
- ermacentor silvarum*,**
abundance/distribution, human impact 8664.
- ermacentor variabilis*,**
ecology/sterility, metepa effects on 7598.
development, metepa effects on 8514.
distribution/hosts/phenology, USA Connecticut 442.
distribution/phenology, Canada Nova Scotia 444.
gorgement, relationship size 1547.
isolation Rocky Mountain spotted fever, USA Massachusetts 3927.
infection, carbon dioxide 5278.
parasitism, immunization rats 7841.
reproduction, hosts/temperature effects on 2721.
- ermayssidae*,**
persal 3817.
new records, British Isles 4978.
new species, Australia 757, 8094, 8095.
new species, New Zealand 2274.
parasitism 8702.
host resistance chickens 3768.
- ermayssinus gallinae*,**
parasitism man 8702.
- ermaptera*,**
check lists, Spain Navarra 7194.
internal behaviour, review 3689.
external behaviour 1857.
taxonomy 7306, 8171.
- ermatobia hominis*,**
infection rabbits, inflammation induction 3917.
parasitism rabbits, antigens 3903.
- ermatophagoides*,**
organs 1210.
hypersensitivity, man 1204.
- ermatophagoides farinae*,**
erm pheromone 3703.
- ermatophagoides pteronyssinus*,**
organs 1212, 3925, 4790, 4791.
chemical control 8708.
development/reproduction, environmental factors 6143.
relationship-fungi, house dust 9581.
- ermestes*,**
osmotic pressure haemolymph/Malpighian tubules/rectum 711.
taxonomy/new records stored products 6574.
- ermestes ater*,**
development, diets/humidity/temperature effects 7576.
- ermestes elegans*,**
new record, Mongolia, People's Rep. 8025.
- ermestes lardarius*,**
development/fecundity, temperature/humidity effects on 732.
- ermestes maculatus*,**
killary palps sensilla 8372.
- sex pheromone 9238.
- Dermites obscurus*,**
taxonomy 9012.
- Dermestidae*,**
attractants 7511.
behaviour 8554.
check lists/new records, Mongolia, People's Rep. 8025.
chemical control 3057, 8764.
defence 6958.
development 7576, 7643.
development/fecundity 2732.
hypersensitivity, man 2031.
metabolism 2586.
new species, Brazil 9009.
nutrition 5426.
parasitism 9455.
pheromones 4453.
sense organs 930, 8372.
taxonomy/pests 6574.
toxicity fumigants 9290.
toxicity insecticides 2671.
zoogeography 670.
- Dermoglyphidae*,**
parasitism 3001.
- Deromecus suturalis*,**
taxonomy 5099.
- Derovatellus*,**
new species, Gabon/Ivory Coast 2298.
new species/new records, Ethiopian Region 2319.
- Deserts*,**
interspecific interactions, Formicidae 2921.
Isoptera fauna, Ethiopian Region 3244.
- Desmeocraera viridipicta*,**
taxonomy 8271.
- Desmlostoma*,**
new species, Neotropical Region 1506.
- Desmlostoma johannis*,**
taxonomy 1506.
- Desmogomphus paucinervis*,**
females, morphology 202.
- Desmoxytes planata*,**
first record, Fiji 3192.
- Deterrents*,**
DDT/malathion, *Anopheles maculipennis* 1758.
fatty acids, *Myzus persicae* 7521.
Lamiaceae plant extracts, oviposition, pests Insecta 8636.
- Deuterocep socotranus*,**
immature stages 192.
- Development*,**
+ injuries, γ -aminobutyric acid, *Galleria mellonella* 4567.
accessory gland, *Rhodnius prolixus* 8498.
adaptations, Tydeidae 3613.
adenosinetriphosphatase, *Apis* 7509.
Aedes larvae, sodium chloride effects on 1805.
alkaloids effects on, *Euxoa messoria* 9333.
Altosid effects on, *Aphytis holoxanthus* / *Coccophagus pulvinariae* / *Tetrastichus ceroplastae* 8521.
Amara 8997.
Amara larvae 1577.
amino acids levels, *Coccinella septempunctata* 252.
 γ -aminobutyric acid/glutamic acid, *Manduca sexta* 4556.
aminopeptidase (cytosol), *Drosophila melanogaster* 5310.
amputation/regeneration leg effects on, *Helleria brevicornis* 8508.
amylase activity, haemolymph, *Bombyx mori* 1677.

Development,(continued)

- Anagyrus pseudococci* 3729.
 anatomy, *Dolania americana* 7449.
 antennal lobes, *Periplaneta americana* 7465.
Apanteles glomeratus , hosts age effects on 7738.
Aphidius nigripes 9452.
 artificial diets, *Ennomus subsignarius* 9202.
 association alcohol dehydrogenase enzyme polymorphism, *Coelopa frigida* 632.
Bathyplectes anurus 3438.
 behaviour/pupation, cholinergic nerves, *Manduca sexta* 6164.
Belostoma 9410.
 biochemistry, *Antheraea mylitta* larvae 8486.
 biochemistry, *Phaneroitoma flavitestacea* 8421.
 biochemistry, *Rhopaea vrraeuxi* 3847.
 biometrics/energetics, *Cloeon dipterum* 8487.
 brood development, sex differences/sex ratios, *Evyllaes calceatus* 8777.
 brood rearing/caste differentiation, queenless nests, *Evyllaes calceatus* 2108.
 calcium phosphate effects on, *Tyrophagus putrescentiae* 1802.
Callosobruchus analis 2819.
Carausius morosus 2778.
 carbohydrates effects on, *Exeristes roborator* 1659.
 carbohydrates/glycerol levels, fat body, *Perillus bioculatus* 2579.
 caste determination, corpora allata, *Plagiolepis pygmaea* 9341.
 caste determination, ecdysteroids, *Pheidole pallidula* 3545.
 caste differentiation, ZR515 effects on, *Reticulitermes flaviceps* 5418.
 caste differentiation Isoptera, juvenile hormones analogues effects on 338.
Catopsilia scylla 4633.
Ceuthorrhynchus 9300.
Chelonus blackburni , parasitism *Earias vitella* /*Corcyra cephalonica* 2843.
Chiracanthium mildei 7686.
 chitin inhibitors effects on, Coleoptera/Lepidoptera 1049.
 chromosome aberrations, translocations, embryos, *Blattella germanica* 4895.
Chrysophothorus chrysopimuginis 3766.
Cleobora mellyi /*Harmonia conformis* 385.
 compound eyes, *Aeshna* 1629.
 compound eyes/optic lobes cells, *Aeshna cyanea* 219.
Composoma larvae 1097.
Contarinia sorghicola 2812.
 copper effects on, *Homona coffearia* 2724.
Coptopteryx viridis 373.
 corpora allata biometrics, *Scaptotrigona postica* 7526.
 corpora allata/prothoracic gland, *Macrotermes michaelsoni* 9350.
 crowding + *Nosema whitei* infection effects on, *Tribolium castaneum* 3577.
 crowding effects on, *Spodoptera littoralis* 8535.
 cuticle, *Stomoxys calcitrans* pupae 4344.
 cuticle proteins biosynthesis, *Tenebrio molitor* 1603.
 cuticle proteins characterization, *Tenebrio molitor* 1602.
 cyclohexadienes effects on, *Anthonomus grandis* /*Heliothis virescens* 3630.
Cydia pychora 9376.
 defensive behaviour, *Astroma riojanum* 9435.
Delphacodes campestris 3714.
 density effects on, *Malacosoma disstria* 5990.
 developmental genetics, mutants, *Drosophila* , review 1328.
 developmental genetics, ploidy, *Apis mellifera* 1019.
Diadegma cerophagus 7740.
 diapause, *Anthocharis* 7690.
 diapause, carbohydrates metabolism, *Pieris brassicae* 6794.
 diapause, cold tolerance, *Adelges cooleyi* 6066.
 diapause, ecdysones levels, *Leptinotarsa decemlineata* 7633.
 diapause, environmental factors, *Apatura* 6878.
 diapause, environmental factors, *Barathra brassicae* 8515.
 diapause, environmental factors, *Chortoicetes terminifera* eggs 5400.
 diapause, environmental factors, *Ephesia cautella* 6128.
 diapause, environmental factors, *Lygaeus equestris* 6126.
 diapause, environmental factors, *Tetrastichus julis* 6877.
 diapause, environmental factors, *Thyridopteryx ephemeraeformis* 5399.
 diapause, genes, *Drosophila littoralis* 8801.
 diapause, haemolymph amino acids, *Heliothis armigera* 6037.
 diapause, haemolymph proteins, *Cydia pomonella* 6129.
 diapause, hormones, *Sarcophaga crassipalpis* 5401.
 diapause, juvenile hormones, *Ostrinia nubilalis* 6130.
 diapause, mating competition, *Pectinophora gossypiella* 9363.
 diapause, nucleic acids transcription, *Celerio euphorbiae* pupae 6403.
 diapause, *Pamphilius vaser* 5503.
 diapause, photoperiod, *Pyrausta sticticalis* 8528.
 diapause, photoperiod/temperature effects, *Aedes dorsalis* 7626.
 diapause, photoperiod/temperature effects, *Tetrix undulata* 8511.
 diapause, respiration diel periodicity, *Papilio machaon* /*Pieris brassicae* 4532.
 diapause, respiration rhythms, *Pieris brassicae* 4539.
 diapause, review, *Ostrinia nubilalis* 5402.
 diapause, sex linkage, environmental factors, *Ostrinia nubilalis* 8512.
 diapause, temperature effects, *Cydia pomonella* 6889.
 diapause, *Tetranychus* 7593.
 diapause, *Tipula simplex* eggs 4534.
 diapause, weight, *Grapholitha funebrana* 6127.
 diapause eggs, temperature effects, *Gryllus firmus* 7596.
 diapause hormones, *Bombyx mori* 7595.
 diapause induction, eggs, *Chortoicetes terminifera* 7597.
 diapause induction, environmental factors, *Heliothis virescens* 9319.
 diapause/oviposition, photoperiod, *Aelia acuminata* 4548.
 diapause proteins, *Diatraea grandiosella* 4538.
 diapause proteins, juvenile hormones, *Diatraea grandiosella* 4537.
 diapause/reproductive strategy, environmental factors, *Drosophila* 4525.
 diapause termination, environmental factors, *Heliothis virescens* 9320.
 diet effects on, *Siophilus zeamais* 316.
 diets, Phytoseiidae 4520.
 diets effects on, *Bombyx mori* 8406.
 diets effects on, *Dacus dorsalis* 238.
 diets effects on, *Musca domestica* 9203.
 diets/humidity/temperature effects, *Dermestes ater* 7576.
 diets Insecta, *Plodia interpunctella* 7089.
 diets/photoperiod effects on, *Henosepilachna* 2722.
 diflubenzuron effects on, *Heterotermes indicola* /*Reticulitermes flavipes* 7615.
 diflubenzuron effects on, *Oncopeltus fasciatus* 8525.
 diflubenzuron effects on, *Tenebrio molitor* 9327.
 digestive enzymes, *Sarcophaga dux* 8390.
 duration/temperature requirements, *Philaenus spumarius*

Development,(continued)

1035.
cdysone/prothoracicotropic hormone, *Ostrinia nubilalis* 5440.
cdysones diets, *Musca domestica* 4562.
cdysteroids inactivation/reactivation, *Sarcophaga peregrina* 9351.
cdysteroids/prothoracic gland, *Locusta migratoria* 3674.
effects on β -N-acetylglucosaminidase activity, *Sitophilus oryzae* 2583.
effects on food consumption/assimilation, *Phlaeoba infumata* 1783.
effects on susceptibility *Neoplectana carpocapsae*, *Simulium vittatum* 7552.
Idana saccharina 4611.
electric fields/magnetic fields effects on, *Kaloterpes flavicollis* 2726.
embryogenesis, anoxia/phosphine effects on, *Ephestia cautella* 6901.
embryogenesis, bithoraxoid mutant, *Drosophila melanogaster* 8839.
embryogenesis, *Bombyx mori* 6875.
embryogenesis, corpora allata ultrastructure/activity, *Carausius morosus* 7527.
embryogenesis, DNA biosynthesis inhibitors effects on, *Drosophila* 6123.
embryogenesis, ecdysones, *Leucophaea maderae* 6047.
embryogenesis, juvenoids effects on, *Apis mellifera* 6140.
embryogenesis, proteins, *Drosophila melanogaster* 9311.
embryogenesis, *Pyrhocoris apterus* 7589.
embryogenesis, radiation (u.v.) effects on, *Smittia* 8516.
embryogenesis, RNA biosynthesis inhibitors effects on, *Drosophila* 6124.
embryogenesis, tubulin biosynthesis, *Smittia* 7590.
embryogenesis, yolk proteins, *Bombyx mori* 6122.
embryology, central nervous system, *Drosophila melanogaster* 8507.
embryology, ecdysones, *Schistocerca gregaria* 8429.
embryology, gene expression, *Drosophila* 7140.
embryology, head, *Oxyrhachis tarandus* 9310.
embryology, humidity/temperature effects, *Tettigoniidae* 9309.
embryology, *Myrmekiaphila fluvialilis* 8506.
embryology, mRNA methylation, *Bombyx mori* 6392.
embryology, yolk proteins, *Bombyx mori* 6903.
embryos, cuticle, ecdysones, *Locusta migratoria* 4528.
emergence, diuresis, *Lepidoptera* 6828.
emergence, temperature effects, *Heliothis armigera* 8531.
ncarsia formosa 8612.
environmental effects, *Latheticus oryzae* 2708.
environmental effects, *Tenebrio molitor* 329.
environmental effects, *Tetranychus ludeni* 3636.
environmental factors, *Aglais urticae* 8518.
environmental factors, *Agrotis ipsilon* 4546.
environmental factors, *Alphitobius diaperinus* 7863.
environmental factors, *Amphinemura* 9389.
environmental factors, *Chilo auricilius* 8572.
environmental factors, *Coccymomimus turionellae* 7619.
environmental factors, *Corcyr cephalonica* 6151.
environmental factors, *Dermatophagoides pteronyssinus* 6143.
environmental factors, *Eotetranychus hicoriae* 7614.
environmental factors, *Gastrimargus transversus* 6895.
environmental factors, *Haematobia irritans* 8532.
environmental factors, *Hypoaspis aculeifer* 6115.
environmental factors, *Lucilia cuprina* eggs 5421.
environmental factors, *Neodiprion sertifer* 8524.
environmental factors, *Oryzaephilus acuminatus* 7579.
environmental factors, *Phlogophora meticulosa* 5428.
environmental factors, *Phlyctinus callosus* 9335.
environmental factors, *Phthorimaea operculella* 6113.
environmental factors, *Trioxys indicus* 5545.
enzymes biochemistry, *Zaprionus paravittiger* 6793.
epidermis, mRNA biosynthesis, *Manduca sexta* 7939.
ethanol effects on, *Drosophila* 332.
fasting, *Locusta migratoria* 4522.
fatty acids requirements, *Culex pipiens* 1660.
feeding/hormones, *Bombyx mori* 8548.
flagella, *Blattella germanica* 7580.
flight, *Phormia terraenovae* 8356.
flight behaviour, *Locusta migratoria* 3461, 3462.
food availability effects on, *Cicindela repanda* 3615.
food availability effects on, *Ephydra cinerea* 3832.
food availability/temperature effects, *Simulium* 6897.
food effects on, *Myzus persicae* 236.
food plants effects on, *Argina cribaria* 6995.
food plants effects on, *Dysdercus cingulatus* 5409.
food plants effects on, *Heliothis armigera* 2713.
food quality effects on, *Bombyx mori* 2572.
Fucellia capensis 9397.
genitalia grafts, experimental gynandromorphs, *Tenebrio molitor* 1790.
geographical variations/photoperiod effects on, *Aedes sierrensis* 1175.
glucose/palmitic acid oxidation, *Pieris brassicae* 9215.
Gonia cinerascens 3761.
growth, *Collembola* 9313.
growth regulators, *Achoea janata* 9326.
growth regulators effects on, *Sitophilus oryzae* 5405.
gut enzymes activity, *Dysdercus koenigii* 2577.
haemolymph hormones/proteins, *Locusta migratoria* 3671.
haemolymph ions, *Galleria mellonella* 9244.
hatching, circadian rhythms, *Schistocerca gregaria* 9188.
hatching, esterase, *Myzus persicae* 9348.
hatching, temperature effects, mathematical models, *Panonychus ulmi* 5526.
head, sexual dimorphism, *Culex quinquefasciatus* 4517.
heritability/timing Nasobemia mutant, *Drosophila* 9317.
homeotic mutant, *Drosophila melanogaster* 8833.
host plants, *Myzus persicae* 9384.
host plants effects on, *Aleurocanthus woglumi* 7755.
host plants effects on, *Diacrisia obliqua* 2868.
host plants effects on, *Diaphania nitidalis* 9489.
host plants effects on, *Empoasca kraemerii* 1882.
host plants effects on, *Gilpinia hercyniae* 6991.
host plants effects on, grasslands, *Inopus rubriceps* 3845.
host plants effects on, *Pericallia ricini* 3782.
host plants effects on, *Philosamia ricini* 3616.
host plants effects on, *Pityogenes chalcographus* 7776.
host plants effects on, *Schistocerca gregaria* 5554.
host plants effects on, seasonal variations, *Elasmucha grisea* 7775.
host plants/feeding site selection effects on, *Rhopalosiphum padi* 9472.
host plants growth effects on, *Ostrinia furnacalis* larvae 7765.
host preferences, *Heteracris littoralis* 5553.
hosts effects on, *Amblyomma americanum* 9461.
hosts hormones, *Gonia cinerascens* 6161.
hosts sex effects on, *Gonia cinerascens* 3764.
hosts starvation effects on, *Agreniaspis fuscicollis* 7732.
hosts/temperature effects, *Trichogramma pretiosum* 9458.
hosts/temperature effects on, *Bracon platynotae* 431.
humidity/temperature effects, *Carpophilus* 6896.
hydrocortisone effects on, *Insecta* 5441.

Development,(continued)

- hydroxyproline effects on, *Drosophila* 3650.
 imaginal discs, biochemistry, review 6158.
 imaginal discs, ecdysones, *Drosophila melanogaster* 4564.
 imaginal discs, *Galleria mellonella* 4521.
 imaginal discs, lethal mutant, *Drosophila melanogaster* 8490.
 imaginal discs, vestigial mutant, *Drosophila melanogaster* 8494.
 inhibition, workers, queens pheromones, *Bombus terrestris* 6905.
 Insecta, environmental effects 2725.
 insecticides effects on, Insecta 922.
Ischiodon escutellaris 9406.
 juvenile hormones, *Megoura viciae* 4560.
 juvenile hormones, *Pieris brassicae* 4318.
 juvenile hormones analogues effects on, *Ixodes* 4552.
 juvenile hormones analogues effects on, *Ostrinia nubilalis* 343.
 juvenile hormones effects on, *Plutella xylostella* 9325.
 juvenile hormones esterase, *Galleria mellonella* 4557.
 juvenile hormones esterase, *Trichoplusia ni* 4569.
 juvenile hormones esterase activity, *Galleria mellonella* 3642.
 juvenile hormones role, *Mamestra brassicae* 1845.
 l(3)gl brain/imaginal discs, *Drosophila hydei* 9345.
 lamina nerves, *Schistocerca gregaria* 9167.
Latrodectus 5391.
 leg implantation, *Periplaneta americana* 8510.
Leptoglossus australis 1883.
 light effects on, *Bombyx mori* 2715.
Lithobius melanops 2473.
Lixophaga diatraeae, parasitism *Galleria mellonella* 7736.
 Malpighian tubules, hormones, *Calpodes ethlius* 6160.
Manduca sexta 1020.
 mathematical models *Heliothis armigera* 1551.
Megaselia scalaris 8587.
Melanoplus bivittatus, host plants effects on 4516.
 metabolic rate, *Tetranychus cinnabarinus* 3861.
 metabolism fatty acids, *Apis mellifera* 6908.
 metabolism lipids, *Apis mellifera* 6902.
 metabolism lipids/carbohydrates, *Gilpinia hercyniae* 7508.
 metabolism phosphatidylcholine, *Ceratitis capitata* 7632.
 metamorphosis, brain taurine, *Mamestra configurata* 8538.
 metamorphosis, ecdysones, *Calpodes ethlius* 4568.
 metamorphosis, haemolymph proteins, *Pieris rapae* 7485.
 metamorphosis, juvenile hormones, *Aeshna cyanea* 4542.
 metamorphosis, juvenile hormones, *Spodoptera littoralis* 4580.
 metamorphosis, kynureninase, *Bombyx mori* 5307.
 metamorphosis, midgut, *Ropalidia marginata* 6117.
 metamorphosis, precocene analogues effects on, *Myzus persicae* 8529.
 metamorphosis, RNA/DNA levels, *Hyphantria cunea* 7624.
 metamorphosis abdomen, *Drosophila melanogaster* 5392.
 metopa effects on, *Dermacentor variabilis* 8514.
 methoprene effects on, *Dendroctonus frontalis* 6149.
 methoprene effects on, *Hyphantria cunea* 340.
Microterys flavus 4665.
 mitochondria, flight muscles, Insecta 4341.
Monosoma pulverata 6195.
 morphogenesis, Altosid effects on, *Achoea janata* 6898.
 morphogenesis epidermis, abdomen, *Drosophila melanogaster* 6746.
 morphogenesis photoreceptors, *Tenebrio molitor* 7473.
 morphology/sense organs, *Thermobia domestica* 9298.
 moulting, circadian rhythms, *Philosamia cynthia* 7625.
 moulting, ecdysterone effects on, *Jonespeltis splendidus* 6137.
 moulting, nerves esterase, *Bombyx mori* 9163.
 moulting, pupae, *Manduca sexta* 7636, 7637.
 moulting physiology, Insecta, review 6910.
 moulting/sterility, precocene effects on, *Argas persicus* /
Ornithodoros coriaceus /*Rhipicephalus sanguineus* 342.
Musca domestica larvae, growth regulators effects on 327.
 muscles, *Calliphora vomitoria* 4354.
 muscles, hormones regulation metamorphosis, *Calliphora erythrocephala* 9349.
 neoteny, *Zootermopsis angusticollis* 5431.
 nerves, electrical properties, *Acheta domestica* 4356.
 nerves, Insecta, review 7466.
 nucleic acids/proteins concentration, *Acyrtosiphon pisum* 600.
 nucleoli activity, epidermis, development, *Calpodes* 1843.
 nutrition effects on, *Syrphus corollae* 6163.
 nutrition effects on, *Trogoderma glabrum* 5426.
Oncyclocotis tasmanicus 9417.
 ontogeny, flight nerves, *Schistocerca nitens* 7459.
 oogenesis/embryogenesis, *Pieris rapae* 5396.
Ornithodoros amblus 9402.
 Orthoptera, Austria 5519.
Oryza sativa effects on, host preferences *Sitotroga cerealella* 2863.
 ovary, role hormones, *Aedes atropalpus* 1832.
 parasitism effects on, *Heliothis virescens* 3523.
Phaseolus vulgaris seeds effects on, *Acanthoscelides obtectus* 2882.
 phosphatase activity, *Drosophila rajasekari* 6798.
 photoperiod, effects on circadian rhythms, *Leucophaea maderae* 939.
 photoperiod effects on, *Leptinotarsa decemlineata* 2736.
 photoperiod/temperature effects on, *Locusta migratoria* 2719.
Phyllophaga crinita 1080.
Polybetes pythagoricus 5390.
 polymorphism, carbon dioxide effects on, *Locusta migratoria* 8517.
 polymorphism, juvenile hormones, *Aphis fabae* 8544, 8545.
 polymorphism flight, dispersal, review 5576.
 population density effects on, *Dacus oleae* 5417.
 potassium acetate effects on, *Xyleborus formicatus* 2058.
 precocene effects on, *Dysdercus similis* 6888.
 precocene effects on, *Locusta migratoria* 3654, 5423.
 precocene effects on, *Schistocerca gregaria* 5424.
 predatory behaviour, *Ranatra linearis* 421.
 prey/temperature effects on, *Thanasimus dubius* 320.
 proline metabolism, *Culiseia inornata* /*Diploptera punctata* /
Drosophila hydei /*Schistocerca gregaria* 249.
 proteins, *Drosophila melanogaster* 6911.
 prothoracic gland ecdysones/ultrastructure, *Xyleborus ferrugineus* 7650.
 Psyllidae 1084.
 Pterygota, mathematical models 2693.
 puparia, humidity/temperature effects on, *Haematobia irritans* 6146.
 pupation, fat body ribonuclease, *Sarcophaga peregrina* 749.
 pupation, hormones, *Heliothis virescens* 9343.
Pyrgomorpha bispinosa 2795.
Pyrota insulata 3741.
 queens, effects on swarming, *Apis mellifera* 9638.
 radiation (y) effects on, *Chilo partellus* 6152.
 radiation (y) effects on, *Sophrorhinus gbanjaensis* 5415.
 radiosensitivity, *Dysdercus koenigii* 5427.
 rates, temperature threshold, *Kelferia lycopersicella* 1796.
 respiration metabolism, *Attagenus megatoma* 7643.
 respiration/water balance, *Lucilia cuprina* 4582.

Development,(continued)

- respiratory systems/muscles metabolism, pupae *Calliphora vomitoria* 2695.
- retardation, Rf gene, maternal inheritance, *Ephestia kuehniella* 4881.
- Rhipicephalus glabroscutatum* 9404.
- RNA biosynthesis/protein biosynthesis, epidermis, *Manduca sexta* 6168.
- role prothoracicotropic hormone, *Manduca sexta* 1850.
- Saga natoliae* larvae 1021.
- salivary gland effects on, *Periplaneta americana* 9347.
- sex determination, photoperiod, *Myzus persicae* 4579.
- sex polymorphism, *Aphis fabae* 7642.
- silica effects on, *Bombyx mori* 2711.
- Simulium sirbanum* immature stages, Mali 2690.
- Sogatella furcifera* 6934.
- Spilopsyllus cuniculi* 3728.
- supernumerary moulting, neuroendocrine system, *Manduca sexta* 6166.
- supernumerary moulting, starvation effects on, *Manduca sexta* 5435.
- superparasitism effects on, *Lixophaga diatraeae* -*Galleria mellonella* 7735.
- annic acid effects on, *Schistocerca gregaria* 3657.
- taste sensitivity, *Spodoptera exempta* 938.
- temperature effects, *Acheta domestica* 6145.
- temperature effects, *Adalia bipunctata* /*Coccinella* 9337.
- temperature effects, *Argyrogramma albobstriata* 4544.
- temperature effects, *Cnaphalocrocis medinalis* 5412.
- temperature effects, *Drepanosiphum* 7609.
- temperature effects, ecology/evolution 9323.
- temperature effects, *Hyposoter exiguae* 9451.
- temperature effects, *Megachile rotundata* 1807, 1809.
- temperature effects, *Oestrus ovis* pupae 6893.
- temperature effects, *Onthophagus granulatus* 7804.
- temperature effects, *Orius insidiosus* 9331.
- temperature effects, *Panonychus ulmi* 7785.
- temperature effects, *Paulinia acuminata* 4629.
- temperature effects, *Plathypena scabra* 1039.
- temperature effects, *Pseudaulacaspis pentagona* 325.
- temperature effects, *Scirtothrips citri* 3637.
- temperature effects, Tabanidae 331.
- temperature effects, *Trichogramma pretiosum* 8519.
- temperature effects on, *Coryca cephalonica* 9332.
- temperature effects on, *Cryptotermes brevis* 2818.
- temperature effects on, *Folsomia candida* /*Xenylla grisea* 4553.
- temperature effects on, *Gonioctena americana* 339.
- temperature effects on, sexual polymorphism, *Aphis rubicola* 1815.
- temperature effects on, *Stomoxys calcitrans* 330.
- temperature effects on developmental genetics, *Bombyx mori* 2740.
- temperature/photoperiod effects on, *Loxostege sticticalis* 1824.
- ratogenesis, acridine impurities, *Acheta domestica* embryos 6879.
- ratology, *Tityus cambridgei* embryos 5397.
- Oxiorhynchites* 6190.
- ransplantation, leg, *Teleogryllus commodus* 7592.
- ichomes, *Drosophila melanogaster* 209.
- imorfamide effects on, *Drosophila melanogaster* 8468.
- ryptophan metabolism, *Carausius morosus* 1851.
- ater temperature effects on, Insecta 4863.
- eight changes, *Manduca sexta* 7578.
- ings coloration, *Precis coenia* 5334, 5335.
- ings patterns determination, *Pararge aegeria* 9360.
- wood humidity effects on, Isoptera 6139.
- Xyleborus affinis* 5498.
- Xyleborus sayi* 5507.
- Developmental genetics,**
dosage 4011.
- Diabrotica,**
emergence traps 172.
integrated control 2088.
oviposition site selection 7652.
- Diabrotica balteata,**
biological control 1264.
- Diabrotica longicornis,**
Carabidae natural enemies, abundance/distribution 6285.
insecticides toxicity 1777.
population levels, insecticides effects on 6360.
population levels eggs, carbofuran effects on 7883.
- Diabrotica undecimpunctata,**
cytopathology virus-like particles 5358.
embryogenesis 3621.
pest resistance *Cucumis melo* 5572.
- Diabrotica virgifera,**
mating, spermatozoa transfer 3682.
pest status/population studies 9625.
- Diacamma,**
glands, abdomen 1727.
- Diacrisia,**
taxonomy 7368.
- Diacrisia obliqua,**
antifeedants, fentins 9284.
chemical control 9592.
host plants effects on development 2868.
life cycles 410.
mating behaviour 5452.
pest status, threshold, population density 7881.
- Diacrisia virginica,**
taste aversion learning 5466.
- Diadasia,**
pollination *Opuntia* 4693.
- Diadasia bituberculata,**
nesting behaviour 7693.
- Diadastia enavata,**
pollen robbing behaviour, interspecific interactions 374.
- Diadegma,**
parasitism, *Spilochalcis hirtifemora* 434.
species composition/abundance 1116.
- Diadegma cerophagus,**
parasitism *Plutella xylostella* 7740.
- Diadromus collaris,**
species composition/abundance 1116.
- Diaeretiella rapae,**
courtship/sex pheromone 8555.
- Dialeurodes,**
natural enemies/pest status 6310.
- Dialeurodes citrifolii,**
chemical control 3037.
- Dialya,**
new species, USSR 6614.
- Diamesa,**
chromosomes 4047.
larvae 6728.
- Dianesia,**
new genus 5204.
- Dianous,**
new species, Viet Nam/China, People's Rep. 5872.
taxonomy 8162, 9022.

Diaparsis,

biological control *Oulema melanopus* 5704.

Diapause,

Aedes sierrensis 3627.

Amara 1577.

carbohydrates/glycerol levels, fat body, *Perillus bioculatus* 2579.

circadian rhythms, photoperiod, *Tetranychus urticae* 1645.

corpora allata/corpora cardiaca ultrastructure, *Pectinophora gossypiella* 1718.

diapause termination, *Contarinia sorghicola* 1980.

diapause termination, rRNA biosynthesis, *Bombyx mori* 2702.

diapause termination, solvents effects on, *Sarcophaga crassipalpis* /*Manduca sexta* 345.

Drosophilidae, winter, Japan 1909.

ecdysones, haemolymph, *Hyalophora cecropia* pupae 3547.

effects on pupae coloration, *Pieris* 269.

eggs, *Leptopterna dolabrata* 9318.

fat body proteins, *Diatraea grandiosella* 1676.

hormones role, *Manduca sexta* 1793.

Hyperodes bonariensis, New Zealand 2705.

induction, genotype-environment interactions, *Ephestia cautella* 2709.

induction, role carotenoids, *Tetranychus urticae* 1027.

inheritance, *Calliphora vicina* 2187.

juvenile hormones, *Diatraea grandiosella* 3626.

Phlebotomus 3625.

photoperiod effects on 1028.

photoperiod effects on, *Epilachna vigintioctopunctata* 1831.

photoperiod effects on, physiology, mechanisms, Lepidoptera 2746.

photoperiod/temperature effects on, *Sarcophaga argyrostoma* 1794.

Pyrota insulata 3741.

radiation (γ) sterilization *Plodia interpunctella* 4550.

reproduction, *Hyperodes bonariensis* 3789.

ribosomes activity, eggs *Bombyx mori* 2703.

role juvenile hormones, *Ostrinia nubilalis* 2704.

role oxygen, *Bombyx mori* 3660.

seasonal variations, *Contarinia sorghicola* 2706.

selection, photoperiod, *Drosophila littoralis* 2194.

soil moisture/temperature effects, *Chortocetes terminifera* 1808.

spermatogenesis, *Eurygaster integriceps* 3678.

survival, sunlight, *Contarinia sorghicola* 4555.

temperature/photoperiod effects on, *Loxostege sticticalis* 1824.

water permeability, temperature effects, egg shells, *Bombyx mori* 2613.

Diaphania nitidalis,

host plants, host selection/effects on development 9489.

larvae, toxicity rose bengal 311.

Diapheromera veliei,

mating, survival, predative effects on 7654.

Diaphnocoris,

taxonomy 813.

Diaphnocoris chlorionis,

parasitism 7742.

Diaphorus praestans,

taxonomy 2359.

Diaprepes abbreviatus,

chemical control 8736.

Diapriidae,

new records/new species, Mongolia, People's Rep. 4265.

new species, Australia 1507.

new species, India 5163.

new species/new records, New Zealand 1508.

parasitism 430, 7745.

Diapterobates variabilis,

fossils 2285.

Diaspididae,

biological control 7900.

chemical control 4843, 6347.

control/life cycles 8589.

development 325.

immature stages/taxonomy 8331, 8342.

life cycles 6950, 8576, 9399.

morphology 8344.

new species, China, People's Rep. 92.

parasitism 100, 9456.

pathology 4498.

phenology 5629.

pheromones 266, 4456.

population dynamics 1987, 4732.

populations 5590, 8675.

predation 1407.

reproduction 3688, 8495.

reproductive systems 7588.

spermatozoa 1837.

taxonomy 821, 6646.

Diastata,

new species, Ethiopian Region 4231.

Diastatidae,

new species, Ethiopian Region 4231.

Diatraea grandiosella,

amino acids, host plants 6790.

artificial infestations 8312.

chemical control 3960.

diapause, juvenile hormones 3626.

diapause proteins 4538.

diapause proteins, juvenile hormones 4537.

fat body, proteins characterization 1676.

feeding/oviposition behaviour, *Panicum miliaceum* 9476.

larvae, fat body proteins 958.

mass rearing, equipment 9121.

rearing, *Zea mays* infestation 9128.

sampling, mating/age effects 7782.

Diatraea saccharalis,

biological control 7073.

compound eyes 9184.

fat body/haemolymph lipids 5311.

infestations *Sorghum bicolor*, planting date effects on, Brazil 1241.

integrated control 7083.

pest resistance *Sorghum* 1138.

population dynamics, Brazil 3870.

Diazinon,

control *Myndus crudus* 3090.

pesticide resistance, genes, *Lucilia cuprina* 1007.

use, pheromone traps, *Spodoptera littoralis* 3425.

Dibelonetes,

revision/new species, India 5117.

Dibezzia,

new species, Malaysia/Thailand 8181.

Dicallomera,

taxonomy 9093.

Diceropyga,

revision, Australian Region 1502.

Dichlorvos,

control *Hypoderma lineatum* 521.

control pests, stored products, dried fruits 576.

Dichrocercis punctiferalis,

mating behaviour/sex pheromone 4591.

- Dichopelmus*,
new species, USSR 2275.
- Dichroplus*,
biology/ecology 5475.
- Dichroplus bergi*,
parasitism 2838.
- Dichrorampha alpinana*,
first record, Denmark 679.
first record, Netherlands 7205.
- Diclasiope lacteipennis*,
first record, USA Georgia 715.
- Dicosmoecus gilvipes*,
larvae, activity patterns, seasonal variations 1904.
- Dicranocentrus*,
new species, India/Nepal 4220.
new species, Peru 6596.
- Dicroaspis*,
revision, Ethiopian Region 8250.
- Dicrotendipes californicus*,
toxicity insecticides 6852.
- Dictyla*,
new species/new records, Ethiopian Region 5141.
- Dictyla convergens*,
first record, Belgium 5771.
- Dictynidae*,
predation 4659.
- Dictyopharidae*,
biology/immature stages 9413.
- Dicyphus*,
new species, Nearctic Region 814.
- Dieldrin*,
metabolism, cuticle, *Calliphora erythrocephala* 2590.
metabolism, *Schistocerca gregaria* 1765.
toxicity/effects on respiration, *Atta laevigata* 1017.
- Dienochlor*,
integrated control *Tetranychus urticae* 1246.
- Diets*,
amino acids, nutrient requirements, *Bombyx mori* larvae 3517.
pis mellifera 1545.
artificial, preparation, methodology, *Amathes c-nigrum* 171.
artificial, rearing *Itopectis conquisitor* 241.
artificial, rearing *Lobesia botrana* 1554.
artificial, rearing *Sesamia calamistis* 2462.
artificial, rearing *Trichoplusia ni* 2448.
artificial diets, *Aphis citricola* 178.
artificial diets, Lepidoptera 166.
artificial diets, *Pieris brassicae* 1557.
artificial diets, rearing, *Spodoptera littoralis* 3433.
artificial diets, *Solenopsis invicta* 176.
artificial diets, *Xyleborus affinis* 2454.
artificial diets effects on behaviour, *Glossina morsitans* 1810.
ombyx mori 2445.
ombyx mori larvae 3614.
rachmyeria intermedia 1539.
carbohydrates effects on development/lipogenesis, *Exeristes roborator* 1659.
acus dorsalis 175.
effects on β -N-acetylglucosaminidase activity, *Sitophilus oryzae* 2583.
effects on brood rearing, *Apis mellifera* 162.
effects on development/fecundity, *Ostrinia furnacalis* 399.
effects on excretion/feeding, *Glossina palpalis* 1662.
effects on fat body, *Habrobracon juglandis* 4406.
effects on fat body development, *Henosepilachna* 2722.
effects on fatty acids, *Anthonomus grandis* 1675.
effects on fecundity/growth, *Glossina palpalis* 1814.
- effects on hindgut cytopathology, *Scaphiostreptus* 2565.
effects on lipids levels/fecundity, *Heteronychus arator* 3634.
effects on lipids metabolism, *Glossina morsitans* 1813.
effects on longevity/brood rearing, *Vespa orientalis* 1018.
effects on oogenesis, *Lucilia cuprina* 1844.
effects on oogenesis, *Mansonia richiardii* 3670.
effects on survival/mating/oviposition, *Culex nigripalpus* 1799.
equipment, *Heliothis* 2451.
fatty acids requirements, development/flight, *Culex pipiens* 1660.
food effects on development, *Myzus persicae* 236.
glucose, effects on trehalose metabolism, *Bombyx mori* larvae 3518.
Locusta migratoria 1544.
proteins, *Dacus dorsalis* 238.
silica, effects on development, *Bombyx mori* 2711.
sugars effects on longevity, *Chironomus thummi* 2688.
Trichogramma 160.
- Disflubenzuron**,
+ derivatives, activity/fate, *Anthonomus grandis* 3628.
chitin biosynthesis inhibition, Insecta 922.
control *Anthonomus grandis* 1226.
control *Musca domestica* 2984.
control *Thaumetopoea wilkinsoni* 1229.
effects on fecundity/emergence, *Musca domestica* 1801.
effects on *Trichogramma pretiosum* parasitism *Heliothis* 3048.
effects on viability eggs *Musca domestica* 1798.
persistence, bioassays, *Aedes aegypti* 177.
pesticide resistance, mechanisms, *Choristoneura fumiferana* / *Malacosoma disstria* 3605.
sterilization *Callosobruchus chinensis* / *Anthonomus grandis* 2739.
toxicity, *Hylotrupes bajulus* larvae 1781.
toxicity, *Pseudoplusia includens* 1767.
toxicity, *Spodoptera littoralis* eggs 2678.
use integrated control orchards pests 3058.
- Digama hearseyana**,
pheromone gland 6072.
sex pheromone 5330.
- Digestion**,
blood meal, *Stomoxys calcitrans* 260.
enzymes, *Rhynchosciara americana* 3498.
Oryctes nasicornis 2575.
proteins/carbohydrates, *Tipula abdominalis* 4405.
Solenopsis invicta 8418.
- Digestive systems**,
absorption, bacteria metabolites, *Periplaneta americana* 4393.
absorption disflubenzuron, *Choristoneura occidentalis* / *Orgyia pseudotsugata* 5380.
amino acids, *Orthetrum sabina* 6802.
anatomy, *Anthonomus grandis* 9192.
anatomy, Orthoptera/Blattodea/Mantodea 5287.
anatomy, *Trigonilulus lumbricinus* 6785.
assimilation *Rhizobium leguminosarum*, *Sitona lineatus* 9195.
blood meal antigens, feeding behaviour effects on, *Triatoma barberi* 9190.
digestion, cellulose, *Oryctes nasicornis* 6781, 6786.
digestion, ecdysones effects on, *Anopheles freeborni* 6030.
digestion, measuring techniques, Orthoptera 5241.
digestion enzymes, inhibitors, *Stomoxys calcitrans* 6783.
digestion gossypol, *Dysdercus fasciatus* 8394.
digestive enzymes, mycophagy, Coleoptera 6782.
enzymes, development, *Sarcophaga dux* 8390.

Digestive systems,(continued)

- enzymes, endocrinology, *Dysdercus cingulatus* / *Hyblaea pueria* 9194.
 foregut, occurrence fungi, Myriapoda 8610.
 function saliva, *Aedes aegypti* 7490.
 β -D-glucosidase, *Coptotermes lacteus* / *Nasutitermes utitermes* 6036.
 gut amino acids/proteins, sex differences, *Neodiprion sertifer* 5321.
 gut microflora, *Acheta domestica* 4663.
 gut oxygen tension/pH 4387.
 gut redox properties, Isoptera 5291.
 honeydew, composition/production, *Nephotettix cincticeps* 6784.
 hormones, *Locusta migratoria* 9224.
 insulin analogues, *Apis mellifera* 9225.
 microflora, *Eublaberus posticus* 8393.
 midgut, function/ultrastructure, *Schistocerca gregaria* 5292.
 midgut, metamorphosis, *Ropalidia marginata* 6117.
 midgut, peptides characterization, *Manduca sexta* 6029.
 midgut, L-phenylalanine active transport, *Bombyx mori* 8391.
 midgut, potassium transport, *Manduca sexta* 9242.
 midgut, protease, *Leucophaea maderae* 5290.
 midgut, proteinase activity, *Rhodnius prolixus* 4407.
 midgut basal-lateral membranes, amino acids transport, *Hyalophora cecropia* 7488.
 midgut epithelium, ultrastructure, *Glossina morsitans* 4394.
 midgut β -D-fructofuranosidase, role salivary gland, *Periplaneta americana* 9191.
 midgut/hindgut, ATPase (Na + K activated) localization, *Glossina morsitans* / *Sarcophaga nodosa* / *Bombyx mori* 9193.
 midgut histopathology, *Bacillus thuringiensis*, *Ephestia cautella* / *Plodia interpunctella* 7549.
 midgut ultrastructure, *Aeshna cyanea* / *Anax imperator* / *Libellula depressa* 5289.
 midgut ultrastructure, environmental factors, *Atheta fungi* 9211.
 midgut ultrastructure, *Proisotoma vesiculata* 4392.
 peritrophic membrane, *Rhynchosciara americana* 8392.
 proteinase, activity, methodology 8296.
 proteinase inhibitors, effects on fecundity, *Stomoxys calcitrans* 7489.
 protozoa symbionts, *Cryptocerus punctulatus* 8609.
 rectum, acetate transport, *Schistocerca gregaria* 8389.
 rectum, active transport phosphates ions, *Schistocerca gregaria* 6065.
Digitivalva eglanteriella,
 taxonomy 9091.
Dilacreon,
 new genus, Papua New Guinea 6644.
Dilaotarsa,
 new species, Philippines 9006.
Dilobopyga,
 new genus 1502.
Dilyta subclavata,
 taxonomy 2402.
Dimethoate,
 control *Amrasca biguttula* 2080.
 control *Musca domestica* 2984.
 control Trombiculidae 529.
 pesticide resistance *Metaseiulus occidentalis*, nontarget organisms 2662.
 toxicity, *Chrysopa boninensis* 2787.
Dimilin,
 control, *Anopheles maculipennis* / *Cricotopus silvestris* 2987.
Dinarmus,
 taxonomy 9074.
Dinarmus vagabundus,
 parasitism *Callosobruchus analis* 2819.
Dineura virididorsata,
 pest status, *Betula pubescens* forests 8761.
Dineutus horni,
 aggregation behaviour/foraging behaviour 5476.
Dineutus nigror,
 teratology 908.
Dinocras cephalotes,
 emergence, prey size effects on 3755.
Dinopidae,
 senses 4372.
Dinoponera gigantea,
 social behaviour 4639.
Dinopsyllus,
 larvae 2486.
Dinorhynchus dybowskyi,
 life cycles/rearing 1888.
Biomma,
 taxonomy 8232.
Dioptidae,
 biological control 2066.
 check lists, Antilles 8945.
Dioryctria,
 biology + parasites, India 2809.
Dioryctria amatella,
 insecticides toxicity 2661.
Dioryctria simplicella,
 first record, Germany, Fed. Rep. Baden-Wuerttemberg 3224.
Diparopsis waterli,
 nuclear polyhedrosis virus 7554.
Diphorodon cannabls,
 taxonomy 8229.
Diphyus castanopygus,
 first record, Belgium 5009.
Diplacodes lefebvrei,
 new records, Spain 5023.
Diplazon alpinus,
 first record, Belgium 5009.
Diplazon laetatorius,
 parasitism *Ischiodon escutellaris* 9406.
Diplazon pectoratorius,
 emergence behaviour 6225.
Diplazontinae,
 check lists, Belgium 3214.
Diplectrona modesta,
 development, water temperature effects on 4863.
 larvae, survival, dessication 7924.
Diplocentridae,
 new species/new records, Dominican Rep. 5832.
Diplocephalus permixtus,
 phenology 2781.
Diplocienus bekirt,
 taxonomy 5142.
Diplolepis,
 overwintering, snow cover effects on 370.
Diplonychus,
 eggs, water balance 1854.
Diplonychus indicus,
 circadian rhythms feeding behaviour/haemolymph sugars 2556.
 sex ratios, environmental factors 8583.
Diplopoda,
 check lists, Poland Kulin Nature Reserve 9723.
 chromosomes 8832.

Diplopoda, (continued)

communities 4769.
 digestive systems 6785.
 moulting 6137.
 new records, Austria Tyrol 8926.
 new species, Cyprus 9112.
 new species/check lists, Seychelles 5220.
 new species/new records, Korea, Dem. People's Rep. 1536.
Diploptera punctata,
 corpora allata, ecdysones effects on 5430.
 proline metabolism 249.
Diploschema,
 new species, Brazil 9002.
Diplosis,
 taxonomy 1472.
Diplothemnus beieri,
 first record, Canary Is. 2293.
Diplura,
 ands 1719.
Dipluriella loti,
 rearing/host plants 1103.
Diprion pini,
 pest status, *Pinus sylvestris*, Austria Tyrol 8760.
Diprion similis,
 response sex pheromone, stereochemistry 1872.
Diprionidae,
 behaviour 8577.
 biological control/parasitism 1238.
 cocoons structure 5249.
 development 8524.
 energetics 7026.
 feeding 6965.
 ands 7529.
 host plants effects on 6991.
 nutrition 5321.
 parasitism 1115, 6234.
 pathology 2648.
 pests 5679, 6336, 8760.
 pheromones 1872.
 vision, Europe 3371.
 sense organs 8379.
Dipsocoroidea,
 vision, Tasmania 1491.
Diptera,
 bacillus sphaericus *bacteria* 6089.
 behavioural genetics 4076.
 cell culture, methodology 6715.
 Ceratopogonidae 1208.
 check lists, Finland 5001, 5002.
 chemical control 537, 9566.
 chemoreceptors 1628.
 communities 7833.
 Culicidae 9583.
 cytogenetics/population genetics, review 1339.
 ecological genetics 4086.
 emergence, environmental effects, streams, Germany, Fed. Rep. Bonn 1275.
 energy budget 2938.
 larvae, pest status/damage *Zea mays* 551.
 larvae, population density, fertilizers effects on, litter, forests 1181.
 larvae filter feeders, ecology, review 1276.
 larvae 2545.
 new records, Bulgaria 7187.
 new records, Poland 666.
 nontarget organisms, pollution effects carbaryl, streams, USA Maine 1281.

olfactometers 5987.
 parasites *Cryptophlebia ombrodelta*, Australia Queensland 435.
 parasites *Heliothis*, Australia New South Wales 501.
 parasitism 6979, 8618.
 pathology 5363.
 pest control, equipment 1221.
 pest status, grasslands, review 3066.
 pollination 1958, 7752.
 population genetics 6444.
 regeneration potential, imaginal discs wings 7591.
 resource utilization/niche overlap, grasslands 2960.
 sampling 6370.
 traps 5985.
 vector-borne diseases 7848.
 zooplankton, community composition/geographical distribution, Nearctic Region 2247.
Dirhinus,
 revision 8247.
Dirphia,
 new species, Mexico 131.
Discaellus japonicus,
 venom toxicity man 6079.
Discestra dianthi,
 first record, Italy 1383.
Discoptila,
 new species, Italy 5961.
Discoptila brevis,
 first record, Turkey 7213.
Diseases,
 African trypanosomiasis, vectors, *Glossina* 6325.
 almond leaf scorch, transmission, Cicadellidae/Cercopidae 9588.
Amblyomma tholloni transmission *Cowdria ruminantium* 4799.
Anaplasma marginale / *Babesia caballi*, vectors, *Dermacentor albipictus* 5654.
Apis mellifera 8765.
 Arthropoda, man, India 3006.
Babesia microti, vectors, *Ixodes dammini* 8671.
 babesiosis, vectors, *Boophilus microplus* 7865.
 beech bark disease, transmission, *Cryptococcus fagi* 1940.
 birds viruses, epidemiology, Argasidae/Ixodidae 5653.
 bovine onchocerciasis, vectors, *Culicoides* / *Lasiohelea* 8712.
 canine heartworm disease, vectors, *Aedes sierrensis* 2053.
 Chagas' disease, vectors, *Rhodnius prolixus* 9571.
 Chagas' disease, vectors, *Triatoma infestans* 4796.
 chlamydiosis, vectors, *Musca domestica* 8727.
 dengue, vectors, *Aedes* 8697.
 dengue/malaria, vectors, diseases 8719.
Dirofilaria immitis, vectors, *Aedes sollicitans* 5644.
 eastern equine encephalitis, vectors, *Culiseta melanura* 8706.
 encephalitis, epidemiology/transmission, *Ixodes* 4797.
 encephalitis, transmission, Culicidae 4779.
 epidemiology Dengue haemorrhagic fever, Philippines 503.
 filariasis, *Mansonella ozzardi* transmission, *Simulium*, Brazil 9584.
 hepatitis B virus, vectors, *Cimex hemipterus* 4785.
 leishmaniasis, control vectors 5651.
 leishmaniasis epidemiology, Psychodidae 722.
 malaria, *Anopheles* -vectors 520.
 malaria, epidemiology, role *Anopheles*, USSR Feodosiya 3919.
 malaria, host-parasite interactions, Culicidae, review 7849.
 malaria, pest control, Nigeria, book 736.
 malaria, vectors, *Culex* 7851.
 malaria epidemiology, *Anopheles* 1203.

Diseases, (continued)

Murray Valley encephalitis vectors, *Culex annulirostris* 536.
 myiasis, man, *Thyrsoctema incisilobata* 3012.
 onchocerciasis, epidemiology, *Simulium damnosum* 8721.
Plasmodium, vectors, *Anopheles farauti*, Australia 4770.
 relapsing fever, vectors, *Ornithodoros* 8726.
 Rift Valley fever, transmission, *Culex pipiens* 6318.
 Rift Valley fever, vectors, Culicidae 4794.
 Rocky Mountain spotted fever, isolation, *Dermacentor variabilis*, USA Massachusetts 3927.
Salmonella enteritidis transmission, *Blattella germanica* 5655.
 scabies, epidemiology, man 2026.
 scabies, man, case reports 3004.
 St. Louis encephalitis, transmission, *Culex pipiens* 6303.
 vector-borne diseases, Acari 3931.
 vector-borne diseases, Culicidae, bibliography 8715.
 vector-borne diseases, *Tabanus*, review 8201.
 vectors, Insecta, review 7055.
 vectors, pest control, review 8698.
 yellow fever, epidemiology, *Aedes* vectors, Gambia 2056.
 yellow fever, vectors, *Aedes aegypti* 8703.

Disholcaspis,
 taxonomy 4264.

Dispersal,
Aedes nigromaculis 1972.
Aleurocanthus woglumi 1157.
Cavalerius saccharivorus, population density 1167.
Chrysopa carnea 2907.
Culex, USA California 2110.
 drift, streams, *Tricorythodes atratus* 2119.
 environmental effects, *Tribolium castaneum* 2908.
 food availability effects on, *Neivamyrmex nigrescens* 3812.
Gonioctena americana 1971.
Grapholitha molesta, orchards, Hungary 1155.
Helophorus 1891.
 host location, *Bathypocheilus thalassina* 1156.
Icerya seychellarum 3820.
 Insecta, book 744.
 Insecta, introduced species, review 3816.
 Insecta, streams 7819.
 larvae, variation phenotypes *Pemphigus populitransversus* 2188.
Lygus lineolaris 2948.
 mathematical models, *Graphognathus leucoloma* 3815.
 mathematical models, Insecta 2909.
Neivamyrmex nigrescens 3737.
Orgyia pseudotsugata larvae 3722.
Ornithonyssus sylviae / *Menacanthus stramineus*, poultry housing 3817.
 phenology, *Myzus persicae*, South Africa Transvaal 394.
 role egg production levels, *Tribolium castaneum* 2906.
 Scorpiones, Israel 2001.
 selection, wings polymorphism, Carabidae 7983.
 sterile release *Cochliomyia hominivorax* 1261.
 temperature effects, *Heteronychia arator*, New Zealand 3814.
 weather effects on, *Metopolophium dirhodum* 2910.

Dissolcus,
 taxonomy 9083.

Distigmoptera,
 new records, Mexico 8066.

Disulfoton,
 control *Amrasca devastans* 566.
 control Aphididae 3041.
 control *Pentalonia nigronervosa* 3060.

Ditomoderus lacroixi,

taxonomy 6585.

Ditomyla,

larvae 193.

new species, USSR 5883.

Ditomyiidae,

larvae 193.

new species, USSR 5883.

Ditula angustiorana,

diapause/flight activity/host plants 7709.

Diura nanseni,

oxygen consumption 6797.

Diurina phryganella,

attractants, acetates 976.

Dixitacus,

taxonomy 3367.

Dixa,

new species, Thailand 4232.

Dixa puberula,

biology/ecology/pollution indicators 1277.

Dixela,

taxonomy 860.

Dixidae,

biology/ecology 1277.

new species, Thailand 4232.

parasitism 2834.

DNA,

see Nucleic acids

(E)-9-Dodecen-1-yl formate,

biological activity, *Choristoneura fumiferana*, attractants 262.***Doeringia***,

taxonomy 8287.

Dognina,

revision/new species, Ecuador 3392.

Dolrania,

new species, Japan 7367.

Dolania americana,

anatomy, development 7449.

first record, USA North Carolina 5034.

Doleracarus,

new genus 5810.

Dolerus,

taxonomy 4277.

Dolichocybe,

taxonomy 5802.

Dolichocybidae,

taxonomy 5802.

Dolichomiris linearis,

geographical distribution, Australia 5797.

Dolichomotes,

taxonomy 5802.

Dolichopoda linderi,

embryogenesis 2701.

Dolichopodidae,

behaviour 4699, 7826.

new records, Malta/Sicily 7195.

new records, Netherlands 8031.

new species, fossils, Cretaceous, USSR 1469.

new species, Japan 1477.

new species, USA 8186.

taxonomy 2359, 2360, 7309, 9037.

taxonomy/zoogeography 8185.

Dolichopus uliginosus,

taxonomy 2359.

Dolichosoma,

biology 6941.

- Dolichovespula*,
new species, Norway 5944.
new species/new records, China, People's Rep. 9087.
phylogeny, behaviour 7989.
- Dolichovespula norvegica*,
morphology, geographical variations 9140.
- Dolichurus*,
new species, Sri Lanka 3373.
- Dolomedes*,
taxonomy 6560.
- Dolopus marginatus*,
population studies, *Picea* forests, Czechoslovakia 1163.
- Dolycoris baccarum*,
abundance, *Fragaria* crop fields, Sweden 1956.
host status, *Helianthus annuus* 8635.
- Domingomiris*,
new genus, Ecuador 5911.
- Dominica*,
check lists/new records Cerambycidae 1411.
- Dominican Rep.*,
new species, Dominican Rep., Formicidae 5933.
new species, fossils, Formicidae 5932.
new species, fossils, Sphaeroniscidae 5969.
new species, fossils, Thomisidae 6561.
new species Cheiridiidae, fossils, amber 8988.
new species Chernetidae, fossils 2294.
new species Chthoniidae, fossils, Oligocene 5830.
new species Formicidae, fossils 827, 828.
new species Lygaeidae 7331.
new species/new records Diplocentridae 5832.
new species/new records Tabanidae 2375.
new species Nymphalidae 3395.
new species Torymidae, fossils 8257.
- Doratora stylata*,
community structure, grasslands 5594.
- Doratulina notata*,
taxonomy 3367.
- Dorilaidae*,
parasitism Cicadellidae, USA Kansas 436.
- Doronomyrmex pacis*,
first record, France 8038.
- Doru*,
new species, Guyana 9031.
- Doryctobracon*,
new species, Neotropical Region 1506.
- Doryloxenus*,
new species, Ethiopian Region 5116.
- Dorylus*,
reproductive systems anatomy 3617.
- Dorylus labiatus*,
swarming behaviour, humidity/temperature effects 5525.
- Dorynota pugionata*,
biology/immature stages 1074.
- Drosage*,
RNA rRNA gene, oogenesis, *Drosophila melanogaster* 4011.
- Droglasiidae*,
review/check lists, Iberian Peninsula 691.
- DPX-3792*,
control *Tetranychus urticae*/effects on *Metaseiulus occidentalis* 2078.
- Dragoneutes*,
new genus, Neotropical Region 9002.
- Drakeida*,
new species, Papua New Guinea 4244.
- Drassus*,
taxonomy 2288.
- Drepana harpagula*,
first record, Italy 6513.
- Drepaniidae*,
new records, Italy 6513.
review/check lists, Iberian Peninsula 693.
revision/check lists, Iberian Peninsula 1381.
- Drepanocerus*,
biology/larvae 6937.
- Drepanosiphum*,
development/reproduction, temperature effects 7609.
fecundity, seasonal variations 4650.
- Drepanosiphum platanoidis*,
predation 6282.
- Drino gilva*,
parasitism/biology 6234.
- Dromaeolus barnabita*,
first record, Sweden 672.
- Dromica*,
new species, Angola 5092.
- Dromica serietuberculata*,
new subspecies, Zambia 5091.
- Dromicilichus*,
phylogeny 756.
- Dromius*,
new species, Colombia 3301.
- Drosicha mangiferae*,
chemical control 2069.
- Drosophila*,
actin genes 7928.
adaptations, ethanol 2000.
adaptations, habitat preferences role 2927.
alcohol dehydrogenase, enzyme polymorphism 5749.
alcohol dehydrogenase, purification/characterization 962.
alcohol dehydrogenase deficient mutant 2157.
alcohol dehydrogenase properties 6038.
aliphatic alcohols metabolism 1672.
amylase enzyme polymorphism, association-chromosomes
inversions 2169.
a-amylase enzyme polymorphism, population genetics 2191.
biology 6187.
cell lines, acetylcholinesterase induction, β -ecdysone 4931.
cells, DNA replication/transcription, novobiocin effects on
1304.
cells, RNA sequence concentration 4006.
check lists, Argentina 8943.
check lists/ecology, Portugal 5769.
chromatin, histones 6435.
chromosome aberrations, amylase enzyme polymorphism
7163.
chromosome aberrations, inversions 4893.
chromosomes 2153.
chromosomes, geographical variations 7148.
chromosomes, heterochromatin 4044.
chromosomes, nondysjunction, meiosis 3146.
chromosomes, ultrastructure 4913.
chromosomes, X chromosome hyperactivity 5732.
chromosomes puffing, ecdysones induction 8856.
chromosomes puffing, salivary gland membrane potential
1309.
cold tolerance 6064.
community structure, environmental effects 2964.
competition, effects on fecundity 8673.
competition, temperature effects 6307.
courtship 6919.
courtship, sex pheromone effects on 8557.
courtship, sound production 2767.
deletion mutant, mutagenicity testing 4064.

Drosophila, (continued)

- development, hydroxyproline effects on 3650.
 developmental genetics, cells lethal mutants, review 1328.
 diapause, ecophysiology 4533.
 diapause/reproductive strategy, environmental factors 4525.
 dispersal bacteria/yeasts 4722.
 DNA repair deficient mutant, chromosomes loss 6431.
 ecological genetics, ethanol/desiccation tolerance 8862.
 ecological genetics, geographical variations diapause/voltinism 8878.
 embryogenesis 3622.
 embryogenesis, DNA biosynthesis/RNA biosynthesis 7121.
 embryogenesis, paired mutant 4062.
 embryogenesis, radiation (u.v.) effects on 2741.
 embryology 324.
 embryology, nuclei transplants 9308.
 embryology/regeneration, mathematical models 1788.
 embryos, development, DNA biosynthesis inhibitors effects on 6123.
 embryos, development, RNA biosynthesis inhibitors effects on 6124.
 embryos, mRNA biosynthesis 2124.
 enzyme polymorphism 4964.
 enzyme polymorphism, ecological genetics 8865.
 enzyme polymorphism, selection, models 3157.
 esterase polymorphism 4938.
 ethanol utilization 9525.
 evolution, genes, heat shock proteins 7175.
 evolution, mate selection 7173.
 eye, metarhodopsin photoconversion/electrical properties nerves 1635.
 flight muscle, membrane potential 7456.
 food sources, yeasts, substrate specificity 7048.
 forked gene, duplication, position effects 2142.
 gene expression, embryology 7140.
 gene expression, evolutionary genetics 4972.
 gene regulation, alcohol dehydrogenase/aldehyde oxidase 4869.
 genes, complementary-yeasts mutants 4019.
 genes, heat shock 4025.
 genes transcription 7135.
 genetics, conference 5798.
 geotaxis/phototaxis 5463.
 habitat preferences/activity patterns 2942.
 habitat selection, ethanol effects on 6183.
 habitat selection, fungi effects on 9506.
 histones, genes deficiency 6395.
 homoeotic mutant, thorax 7962.
 hybrids, chromosomes effects on viability 8860.
 hybrids, Lhr gene lethality 4946.
 hybrids, X chromosome activity, dosage compensation 7129.
 imaginal discs development, ecdysterone effects on 2727.
 imaginal discs wings, growth/compartments 2496.
 interspecific hybridization, chromosomes 1335.
 interspecific hybridization, courtship, behavioural genetics 7157.
 longevity, alcohol effects on 8527.
 longevity populations 2940.
 mating, visual stimuli/auditory stimuli 5461.
 meiosis, review 4902.
 morphometry, selection 8884.
 muscles/nerves, electrical properties 7467.
 mutagenesis hycanthone 8849.
 Nasobemia mutant, heritability/timing 9317.
 nerves, pathway, central nervous system 3475.
 new species, India 2362, 4233, 9038, 9039, 9040.
 new species/host plants, Papua New Guinea 5885.
 new species/keys, Australia 75.
 new species/new records, India 3350, 8188.
 niche overlap, ecological genetics 2943.
 Notch gene, polytene chromosomes 8804.
 nucleotide sequence, intraspecific diversity 2132.
 nutrition, productivity, *Candida* 1022.
 parasitism 9457.
 peroxidase, chorion cross-linking 9344.
 phosphatase, enzyme polymorphism 7971.
 phototaxis, behavioural genetics 7158.
 phylogeny 6459.
 phylogeny, haemocytes 8895.
 polytene chromosomes 8831.
 polytene chromosomes, DNA, cytosine (5-methyl) content 592.
 polytene chromosomes, staining/gene expression 4904.
 population genetics, mating 1352.
 population growth, intraspecific interactions, mathematical models 4712.
 population studies, methodology 2955.
 pupariation, imaginal discs development effects on 2691.
 radiation (X), mutagenesis 334.
 regeneration, imaginal discs 9315.
 regeneration, wings imaginal discs 9312.
 regeneration imaginal discs 4531.
 reproduction, population density effects on 4741.
 reproductive behaviour 5462.
 resource utilization, adaptations 2958.
 revision 5884.
 rRNA genes, crossing-over 4035.
 rRNA 18/28S genes 9669.
 salivary gland, proteins genes activity 7935.
 satellite DNA, nucleotide sequence 7934.
 sodium fluoride, anti-mutagenesis 1038.
 speciation, reproductive isolation, role genes 6448.
 speciation, role satellite DNA 6402.
 species diversity seasonal variations 487.
 survival, metabolic wastes 9321.
 taxonomy 2363.
 taxonomy/new records, USA 8187.
 temperature tolerance 5624.
 toxicity Ceresan 8465.
 transposons, foldback sequence 9674.
 ultrabithorax mutant, developmental genetics 7967.
 visual perception flicker 1634.
 vitellogenesis regulation, yolk proteins variation 1852.
 wings muscle mutants 9686.
 yolk proteins biosynthesis, ovary 6167.
 yolk proteins genes 2133.
 zoogeography, Brazil 6527.
Drosophila auraria,
 diapause, geographical variations 4536.
Drosophila busckii,
 rearing, artificial diets 5978.
Drosophila buzzatii,
 ecological genetics, chromosomes polymorphism 8873.
Drosophila deflexa,
 first record, Italy 1373.
Drosophila enigma,
 first record, New Zealand 9760.
Drosophila funebris,
 alcohol dehydrogenase activity 248.
Drosophila grimshawi,
 reproductive isolation, genes complex 3170.
Drosophila hydei,
 bristles, wings, genes 8794.
 chromosomes, puffing 7151.
 flight height/speed 2554.

- Drosophila hydei*, (continued)
genes, rRNA 1286.
l(3)gl mutants, development brain/imaginal discs 9345.
proline metabolism 249.
rRNA gene clusters, X chromosome 7944.
rRNA polymerase III, characterization 4073.
rRNA replication 4010.
X chromosome chromatin 8819.
X chromosome transcription activity 6418.
- Drosophila immigrans*,
amylase, ontogeny 3515.
- Drosophila jambulina*,
chromosomes, polymorphism 1320.
- Drosophila kikkawai*,
chromosome aberrations 7152.
chromosomes, replication/puffing 3149.
- Drosophila littoralis*,
chromosomes, recombination, sex differences 8813.
genes, diapause 8801.
photoperiod, diapause, selection 2194.
- Drosophila malerkotliana*,
first record, Brazil 6528.
- Drosophila melanogaster*,
acetylcholinesterase enzyme polymorphism 2170.
acetylcholinesterase temperature-sensitive mutant, phototaxis 8852.
acid phosphatase purification/characterization 2592.
adh gene, isolation/characterization 2134.
Adh gene, regulators, review 4007.
aflatoxin B₁ toxicity, resistance genes 1342.
ageing, developmental genetics, review 7165.
ageing, genetic load, models 6442.
ageing effects on food intake/metabolism 1782.
alanine aminotransferase, gene mapping 593.
alcohol dehydrogenase, enzyme polymorphism 4095, 4933, 4934.
alcohol dehydrogenase, enzyme polymorphism, urea/temperature effects 8422.
alcohol dehydrogenase activity 248.
alcohol dehydrogenase amino acid sequence 955.
alcohol dehydrogenase enzyme polymorphism, temperature/humidity effects on mating 1804.
alcohol dehydrogenase enzyme polymorphism, heat stability 2163.
alcohol dehydrogenase enzyme polymorphism, mating advantages 3156.
alcohol dehydrogenase enzyme polymorphism 3168.
alcohol dehydrogenase enzyme polymorphism, ecological genetics 8869.
alcohol dehydrogenase enzyme polymorphism 8889.
alcohol dehydrogenase genes, alcohol selection 7981.
allozymes, mutation rates 630.
 α -amanitin resistant mutant, characterization 3151.
aminopeptidase (cytosol), development 5310.
aminopeptidase (cytosol), diets effects on 5297.
Antennapedia mutant complex, gene mapping 3132, 3133.
aromatic-L-amino-acid decarboxylase mRNA, induction, ecdysterone 595.
ATP dependent DNA-unwinding protein 587.
attractants, *Erwinia carotovora* infected *Solanum tuberosum* 2864.
behavioural genetics 3179.
behavioural genetics, courtship sound production 1334.
behavioural genetics, mating 6437.
behavioural genetics, oviposition site selection 1332.
behavioural genetics, sound production 4943.
enzamide, chromosomes puffing 4031.
ethoxoxid mutant, developmental genetics 8839.
- black cells mutant, monophenol monooxygenase-activity 1326.
bobbed gene lethal mutant, RNA gene, gene amplification 4868.
body weight/bristles/fitness/homeostasis/variance 6447.
brain mutants, behavioural genetics 6432.
bristles genes, dominance 3126.
cell culture, reovirus infection 8462.
cell culture, RNA biosynthesis, role heat shock proteins 1300.
cell lines, chromosomes, nucleolus organizer region activity 4896.
cell lines, detection Rickettsiales 2501, 3452.
cell lines, reovirus isolation/characterization 999.
cell lines, ribosomal proteins 4027.
cell lines, RNA gene 7136.
cell lines, viruses 989.
cells, heat shock proteins 3135.
central nervous system, embryology 8507.
central nervous system defective mutant/gene mapping 4917.
chimaeras, gene expression 3128.
chromosome aberrations 4057.
chromosome aberrations, hybrid dysgenesis 4054.
chromosome aberrations, population genetics 4969.
chromosome aberrations, translocations, heterochromatin effects on 1313.
chromosomes 3147.
chromosomes, aromatic-L-amino-acid decarboxylase genes regions 9667.
chromosomes, banding 616, 4041.
chromosomes, genetic markers, fecundity/viability 4892.
chromosomes, heat shock puffing, RNA biosynthesis/metabolism 2141.
chromosomes, heterochromatin aggregation 606.
chromosomes, heterochromatin condensation 2156.
chromosomes, inversions frequency, relationship flight activity 2180.
chromosomes, lethal selection 6411.
chromosomes, meiosis 6416.
chromosomes, mobile dispersed gene, localization 7125.
chromosomes, nucleoli 7150.
chromosomes, nucleolus organizer region 9150.
chromosomes, polytene 4055.
chromosomes, polytene banding 621.
chromosomes, puffing 1314, 2148.
chromosomes, rosy gene regions 2149.
chromosomes, segregation distorter gene/females sterility genes 3143.
chromosomes, staining, methodology 2463.
chromosomes, synapsis 4910.
chromosomes, translocations, DNA content 3138.
chromosomes, triploid 613.
chromosomes/enzyme polymorphism 6454.
chromosomes pairing 4905, 4906.
chromosomes pairing/crossing-over 7956, 7959.
chromosomes puffing, ecdysone dependent, genes linkage 4883.
chromosomes recombination 6419.
cold paralysis mutants 1322.
competition, behavioural genetics 4076.
courtship, behavioural genetics 2174, 9695.
courtship behaviour 7661.
cuticle, lipids 6749.
3':5'-cyclic-AMP phosphodiesterase/3':5'-cyclic-nucleotide phosphodiesterase 3535.
3':5'-cyclic-nucleotide phosphodiesterase 8399.
3':5'-cyclic-nucleotide phosphodiesterase, purification/characterization 1683.

***Drosophila melanogaster*, (continued)**

- cytoplasmic RNA, structure/translation/metabolism 4033.
 development, trimorfamide effects on 8468.
 development trichomes 209.
 developmental genetics, Antennapedia gene complex lethality 6391, 6393.
 developmental genetics, larvae viability, maternal effects 6390.
 developmental genetics, stability, environmental changes effects on 4955.
 developmental genetics, temperature-sensitive mutant, imaginal discs 1040.
 DNA, mitochondria, age effects 8798.
 DNA, small circular 605.
 DNA-binding protein, heat shock proteins genes 7973.
 DNA biosynthesis, chromosomes puffing 589.
 DNA cloning 7940.
 DNA organization, developmental genetics 7127.
 DNA repair 4013.
 DNA repair defective mutant 7963.
 DNA repair deficient mutant 8844.
 DNA repair mei-9 gene deficient mutant 4922.
 DNA repair mutants, chromosomes loss, hyperthermia effects on 9666.
 DNA repetitive sequence 7932, 7933.
 Drosophila virus C resistance 6086.
 dumpy gene, analysis 594.
 dumpy mutant, pyrimidines biosynthesis 1331.
 ebony mutant, locomotor activity/mating, behavioural genetics 7974.
 20-hydroxyecdysone effects on metamorphosis 3653.
 egg production, selection 642.
 eggs, diploids, X chromosome 3144.
 eggs, RNA sequence complexity 1287.
 embryogenesis 3620, 3623.
 embryogenesis, pole cells 2499.
 embryogenesis, proteins 9311.
 embryology 7594.
 embryos, DNA polymerase α 2126.
 encapsulation fat body implants, haemocytes 9209.
 engrailed gene 6396.
 enzyme polymorphism 2167, 8866, 8888.
 enzyme polymorphism, frequency dependent selection 6449.
 enzyme polymorphism, genes segregation 6443.
 enzyme polymorphism, population genetics 2164.
 epidermis morphogenesis, abdomen 6746.
 esterase, enzyme polymorphism 5752.
 esterase enzyme polymorphism 2168.
 ethanol effects on development/longevity 332.
 ether sensitivity, embryos 1047.
 evolutionary genetics, fecundity, ageing effects on 2196.
 evolutionary genetics, nonhistone proteins 651.
 eye colour mutants, white gene 3154.
 eye, rhabdom 9177.
 fat body cell culture 4339.
 female-sterile mutant, fertility males 6426.
 fitness, chromosomes recombinants 640.
 flight muscle, electrical properties 4352.
 flight orientation 4350.
 5-fluorouracil resistant mutant 4935.
 food preferences, sugars, larvae/adults 5531.
 foraging behaviour, behavioural genetics, chromosomes 4942.
 free arm mutant 8834.
 gene mapping 4014.
 gene mapping, chromosome 3 4898.
 gene mapping, heat shock proteins 1292.
 genes 4875, 4876.
 genes, alcohol dehydrogenase 7930.
 genes, heat shock proteins 2131, 8799.
 genes, heat shock proteins, nucleotide sequence 9672.
 genes, metabolism pyrimidines 4065.
 genes, mutation sensitivity 4873.
 genes, reproduction 4066.
 genes, mRNA 7941.
 genes, tubulin 4009.
 genes, vitellogenin 7137.
 genotypes, competition 7976.
 glucose-6-phosphate dehydrogenase enzyme polymorphism 4965.
 glucose-6-phosphate dehydrogenase/isoenzymes 6803.
 glycerol-3-phosphate dehydrogenase (NAD⁺) deficient mutant 2158.
 glycerol-3-phosphate dehydrogenase gene expression 7979.
 grandchildless mutant 8842, 8847.
 growth regulators, *Coleopsis lanceolata* plant extracts 3649.
 gust-A gene mutants, pyranose sugars receptors 8846.
 halothane/chloroform resistance 1345.
 halothane resistance, sex differences 1344.
 heat shock genes 4871.
 heat shock genes, deoxyribonuclease I sensitivity, *Drosophila melanogaster* 591.
 heat shock proteins, genes 1293.
 heat shock proteins genes 4005.
 heritability, abdominal bristles 8797.
 heritability, abdominal bristles 8796.
 heterochromatin, review 4045.
 histones structural gene deficiency, gene amplification 1295.
 homeotic mutant, development 8833.
 hsp gene, nucleotide sequence 7134.
 hsp70 gene, nucleosomes 4024.
 humidity/genes, gene pool 6444.
 hybrid dysgenesis 4968.
 hybrid dysgenesis, mutants 2162.
 hybrid dysgenesis, population genetics 2177.
 hybrid dysgenesis, sex linkage lethal mutation 6423.
 hybrids, males recombination, relationship sterility 1825.
 hybrids, sexual behaviour, temperature effects 4948.
 β -hydroxy- α -ketobutyric acid, identification/role drosopterin biosynthesis 1679.
 imaginal discs, ecdysones 4564.
 imaginal discs, lethal mutant 8490.
 imaginal discs, vestigial mutant 8494.
 imaginal discs aldehyde oxidase patterns, homoeotic mutant 7938.
 inbreeding/selection, review 4002.
 innervation flight muscle 7475.
 jumping, light intensity effects on, behavioural genetics 3158.
 juvenile hormones, genes 4916.
 juvenile hormones receptors, characterization 3528.
 lactate dehydrogenase, enzyme polymorphism 9693.
 larvae, adenosine metabolism 3529.
 larvae, ecological genetics, habitat selection 6452.
 larvae, guanine/guanosine metabolism 3530.
 larvae, haemocytes 3496.
 larvae, purines metabolism 3537.
 learning 3705.
 learning, behavioural genetics, AMP (cyclic) phosphodiesterase/dunce mutant 5727.
 lethal mutant genes, quantitation 7942.
 lethal mutants 4924.
 linkage disequilibrium, population genetics 7169.
 locomotion balance/orientation, light polarization 6018.
 locomotor activity, behavioural genetics 2171, 2172, 2173.
 longevity, radiation (γ)-sterilization effects on 7620.
 lysates, heat shock induction 9673.

***Drosophila melanogaster*, (continued)**

- magnetic fields, mutagenesis 3644.
 males recombination factors, diethylsulphate effects on 6407.
 mate selection, genotypes 4078.
 maternal effect mutant, pole cells isolation, methodology 880.
 mating, role carboxylesterase 1058.
 mating behaviour, genes 8858.
 meiosis, recombination, role X chromosome 611.
 meiotic mutant, chromosomes pairing 8836.
 metabolism, acetaldehyde 9197.
 metabolism thymidine/thymine 5320.
 metamorphosis, abdomen 5392.
 minute mutant, gene expression, temperature effects 3647.
 mitochondria, DNA, cloning-plasmids 1301.
 mitochondria, DNA, cross-linking proteins 1289.
 mitochondria DNA, characterization 4029.
 mutagenesis 4925.
 mutagenesis, alkylureas + nitrogen dioxide 6429.
 mutagenesis, benomyl 4549.
 mutagenesis, bleomycin 3646, 6427.
 mutagenesis, 1,2-dibromoethane 8853.
 mutagenesis, 7,12-dimethylbenz(a)anthracene 4068.
 mutagenesis, environmental factors 5416.
 mutagenesis, fluphenazine 6428.
 mutagenesis, nitrosamines 4061.
 mutagenesis, platinum 5743.
 mutagenesis, radiation 3655.
 mutagenesis, radiation (γ)/ethyl methanesulphonate 2707.
 mutagenesis, radiation (X), dumpy mutant 4928.
 mutagenesis, sex differences 1030.
 mutagenesis, trimorfamide 8469.
 mutagenesis radiation (X), chromosome aberrations 8838.
 mutagenicity testing, review 8319.
 mutants 3632.
 mutants sensitive mutant 7154.
 mutants sensitive mutant, hyperthermia/radiation (X) effects on 1048.
 mutants sensitive mutant, mutation rates 4069.
 mutants sensitivity mutants 7960.
 mutants, cells lethality 623.
 mutants linkage, lethal chromosomes effects on 629.
 mutation, choline acetyltransferase 1325.
 mutation, DNA polymerase α 4918.
 mutation, embryology 624.
 mutation, neopterin isolation 1327.
 mutation, radiation (γ) 5740.
 nuclei, double-stranded RNA 1291.
 nucleic acids, heat shock 4074.
 nucleotide sequence, rRNA-transcription termination sites 6400.
 nutrition, alcohol, mortality 9204.
 oocytes, RNA complexity 588.
 oocytes mutants, interaction rRNA genes 4060.
 oogenesis, duration 1829.
 oogenesis, proteins biosynthesis 350.
 oogenesis, rRNA rRNA gene 4011.
 optomotor response-visual stimuli, wing beat/posture 2555.
 oviposition site selection, behavioral genetics 4075.
 oviposition site selection, colour preferences 1056.
 phosphoglucosyltransferase enzyme polymorphism 4932.
 phosphoglucosyltransferase dehydrogenase, molecular weight/enzyme kinetics 1688.
 poly(A)-lacking mRNA, characterization 4012.
 polyribosomes, isolation 7131.
 polytene chromosomes 4885.
 polytene chromosomes, mutants 8817.
 population genetics, alcohol dehydrogenase enzyme polymorphism/ethanol tolerance 2193.
 population genetics, density-dependent selection 7982.
 population genetics, enzyme polymorphism, viability, selection 1353.
 population genetics, generation duration 8872.
 population genetics, genes segregation 6453.
 population genetics, genotype-environment interactions 4961.
 population genetics, lozenge mutant viability, effects on population dynamics 1341.
 population genetics, quantitative inheritance, food sources effects on 647.
 population genetics, selection, population structure effects on 4083.
 population genetics, sexual selection 4093.
 precocene effects on vitellogenesis 341.
 predator-prey interactions, *Pardosa vancouveri* 3853.
 protein biosynthesis, microsomes, ageing 9295.
 protein biosynthesis, regulation, during heat shock 1308.
 proteins, development 6911.
 pts gene, frequency dependent selection 2129.
 pyridoxal oxidase 4072.
 pyridoxal oxidase, mutation 4071.
 pyrimidine biosynthesis 4410.
 r gene 5730.
 radiation (X) mutagenesis, butylated hydroxytoluene effects on 4551.
 radioresistance, genes 4901.
 radiosensitivity, age 9296.
 recombination, temperature-sensitive mutant 4930.
 reproduction, esterase activity, genes 8550.
 reproductive isolation, selection 7978.
 resistance, insecticides (organophosphorus), selection 8870.
 resistance anaesthetics, genes 9292.
 ribosomal proteins, expression 2128.
 rRNA 5729.
 mRNA, chorion proteins 2144.
 tRNA, gene mapping, polytene chromosomes 1297.
 RNA, phosphates incorporation 7138.
 tRNA, queuine 7133.
 RNA biosynthesis, dosage compensation, X chromosome 7132.
 rRNA gene, chromatin structure 3129.
 rRNA gene, cloning 1306.
 RNA gene, insertion regions, arrangement 7120.
 RNA gene, mapping 5726.
 rRNA gene, nucleotide sequence 6399.
 tRNA genes 3134, 4866.
 tRNA genes, evolutionary genetics 590.
 tRNA genes, gene mapping 2136.
 rRNA genes, nucleotide sequence 603.
 tRNA genes, nucleotide sequence 2143.
 tRNA Lys genes clusters 7139.
 RNA translation 4882.
 rudimentary mutant 6422.
 salivary gland proteins, polymorphism 4070.
 segments/polarity mutants 3153.
 segregation distortion 4023.
 segregation distortion chromosomes, gene mapping 7953.
 selection, inbreeding 8893.
 selection, white gene-apricot gene, suppressors 6457.
 selection wings length, parental age effects on 649.
 sepiia gene, polymorphism, maintenance 4090.
 serum proteins, peptide mapping 954.
 sex determination, genes 604.
 sex-lethal gene interaction daughterless gene 8848.
 sex pheromone, courtship 6050.
 sexual selection, adaptations 6920.

***Drosophila melanogaster*, (continued)**

sigma virus resistance, polymorphism 2190.
 Sindbis virus, resistance 8460.
 singed mutant/club wing mutant, position effects/stability 2159.
 speciation, population genetics 3178.
 spermatogenesis, segregation distortion chromosomes 7649.
 spontaneous mutation, review 4067.
 sterile mutant 9687.
 sterility, genes, nuclear-cytoplasmic interaction 3140.
 synaptosomes, proteins, membrane phosphorylation 9170.
 taste, sodium chloride/sugars, role, food consumption 2551.
 taste perception, labellar chemoreceptors, papain effects on 8367.
 temperature-sensitive mutant, developmental genetics 5739.
 temperature-sensitive mutant, nerves conduction, tetrodotoxin effects on 4063.
 temperature-sensitive mutant, temperature effects on flight muscle activity 3464.
 temperature-sensitive mutants, Abruptex gene 7969.
 temperature-sensitive mutants, imaginal discs protein biosynthesis 7156.
 torpid mutant 8854.
 toxicity Agallol 3 6869.
 toxicity malathion, methodology 2466.
 transposons 1296, 4018.
 transposons, RNA biosynthesis 2137.
 transposons, termini repeated sequence organization 1307.
 transposons organization 2138.
 trp mutant, retina pigments, light adaptations 8837.
 tu-W gene, gene mapping 7937.
 α -tubulin genes 7931.
 β -tubulin subunits mutants, gene mapping 1302.
 tumorous-head mutant, maternal effects 1324.
 Ultrabithorax-like mutant 7155.
 vestigial gene, expression 4878.
 vestigial gene mutants, floxuridine/aminopterin resistance 6434.
 viability mutants, fitness 648.
 viruses 3582.
 visual perception, mate selection, photoreceptors mutants 2176.
 vitellogenesis, ecdysterone/juvenile hormones 3676.
 vitellogenesis, protein biosynthesis 9361.
 vitellogenin biosynthesis 3677.
 wings folding, genes 9696.
 wings imaginal discs, rudimentary mutants, cell death 9316.
 X chromosome, banding 7146, 7147.
 X chromosome, developmental genetics 8828.
 X chromosome, gene expression 4874.
 X chromosome, genes deficiency, meiosis 599.
 X chromosome, mapping/complementation analysis 4039.
 X chromosome, mutants/gene mapping 625.
 X chromosome, triplo-lethal gene, survival enhancement 9675.
 X chromosome nondysjunction, ageing effects on 4915.
 yellow gene mutants, behavioural genetics 4944.
***Drosophila mercatorum*,**
 chromosomes polymorphism 6441.
 courtship song variation, behavioural genetics 7159.
 parthenogenesis, clones coexistence/selection 6455.

***Drosophila mimica*,**

oogenesis, environmental effects 3656.
 water balance 5342.
 water balance, effects on survival 5343.

***Drosophila mojavensis*,**
 reproductive isolation 2195.

***Drosophila montana*,**
 esterase genes 1290.

***Drosophila montium*,**
 chromosomes 1318.

***Drosophila nasuta*,**
 chromatin replication, imaginal discs 8827.
 chromosomes, inversions 4963.

chromosomes, replication 7957, 7958.
 intraspecific hybridization, chromosomes segregation, sterility 4950.

***Drosophila pachea*,**
 methanol effects on longevity/oviposition 1044.

***Drosophila persimilis*,**
 amylase enzyme polymorphism 4937.

***Drosophila pseudoobscura*,**
 chromosome aberrations, acid phosphatase enzyme polymorphism 7161.

chromosomes, sex ratios, polymorphism 643.
 chromosomes polymorphism 626.
 ecological genetics, xanthine dehydrogenase enzyme polymorphism 8890.
 mating behaviour, evolution 9366.
 multiple mating, population genetics 4592.
 population dynamics/reproductive strategy 7037.
 population genetics, lethal genes/polymorphism, frequency 4954.

population genetics, malate dehydrogenase enzyme polymorphism, compensation/dominance 2166.
 population genetics, polymorphism 4959.

***Drosophila pullipes*,**
 reproductive isolation, genes complex 3170.

***Drosophila rajasekari*,**
 development, phosphatase activity 6798.

***Drosophila silvestris*,**
 sexual selection 8894.

***Drosophila simulans*,**
 behavioural genetics, courtship sound production 1334.
 chromosomes, localization rRNA gene 598.
 enzyme polymorphism, population genetics 2164.
 ethanol effects on development/longevity 332.
 hybrids sterility, developmental genetics 7975.
 inbreeding, effects on viability 3172.
 population genetics, eye colour polymorphism, habitat selection 4088.

spermatogenesis, sex ratio mutants 7970.
 yolk polypeptides, polymorphism 2130.

***Drosophila subobscura*,**

Bare mutant, modifier gene 6398.
 chromosomes, inversions polymorphism, selection 6421.
 dispersal/habitat selection/population structure 9537.
 ecological genetics, chromosomes polymorphism 9708.
 enzyme polymorphism, gene frequency, population genetics 6450.

lethal genes, population genetics 6446.
 mating behaviour, behavioural genetics 4585.
 population genetics, enzyme polymorphism/inversions 4957.
 population genetics, inversions/enzyme polymorphism 8874.
 population genetics, linkage disequilibrium 4085.
 population genetics, populations size 4960.

***Drosophila takahashii*,**
 chromosomes, polymorphism 4890.

***Drosophila transversa*,**
 ecological genetics 8878.

***Drosophila tumiditarsus*,**
 rRNA gene, characterization 5731.

- Drosophila virilis*,
 ills, heat shock proteins 3135.
 chromosomes, banding 3141.
 chromosomes, spermatocytes 7952.
 chromosomes replication 1312.
 NA biosynthesis, chromosomes replication 7122, 7123.
 erase gene expression 4880.
 cosamine metabolism 4411.
 va gland, ions transport 9243.
 NA gene 8803.
 ellite DNA, restriction endonuclease analysis 4026.
Drosophilida
 nes 8799.
Drosophilidae,
 aptations 2000, 2927, 5624.
 atoxin B, toxicity 1342.
 eing 1782, 3612, 9295.
 ohols effects on 1044.
 ino acids 955.
 endpages 8794.
 ractants 2864.
 avioral genetics 4075.
 avior 5461, 5462, 5531, 6183, 6919, 7661, 8557, 8858.
 avior/evolution 9366.
 avioral genetics 1332, 1334, 2171, 2172, 2173, 2174,
 2176, 3158, 4078, 4585, 4943, 4944, 5727, 6437, 7159, 7974,
 9695, 7158.
 assays 8319.
 ology 6187.
 nomics 1909.
 culture 4339.
 culture/viruses 8462.
 ls 2499.
 ck lists, Argentina 8943.
 ck lists, Portugal 5769.
 omosomes 606, 611, 616, 621, 625, 1312, 1313, 1314,
 1318, 1320, 2148, 2149, 2153, 2156, 2463, 3141, 3143, 3144,
 3146, 3147, 3149, 4031, 4039, 4041, 4044, 4045, 4054, 4055,
 4057, 4885, 4890, 4892, 4893, 4896, 4898, 4904, 4905, 4906,
 4910, 4913, 4915, 5732, 6407, 6411, 6416, 6418, 6419, 6421,
 6441, 7146, 7147, 7148, 7150, 7151, 7152, 7161, 7163, 7952,
 7953, 7956, 7957, 7958, 7959, 8813, 8817, 8819, 8828, 8831,
 8856, 9150, 4883, 8827.
 d hardness 3558.
 d tolerance 6064.
 npetition 6307, 8673.
 elopment 209, 1788, 3676, 5392, 6123, 6124, 8490, 8494,
 9317.
 elopment physiology 3650.
 elopmental genetics 1040, 1328, 4917, 6390, 6393, 7165,
 7967, 7975, 9316, 9345.
 pause 4533, 4536.
 A 1301.
 logical genetics 2943, 5752, 6447, 6452, 6920, 7169,
 978, 8862, 8865, 8866, 8873, 8888, 8889, 8890, 9708, 9713.
 869.
 ology 2942, 2955, 2958, 2964, 4722, 7048, 9506.
 s 9344.
 ryogenesis 3622, 3623.
 ryology 324, 2741, 3620, 7594, 9308.
 ronmental effects 332.
 yme polymorphism 2163, 2168, 2169, 3155, 3156, 3157,
 965, 5749, 6449, 6454, 9693.
 ymes 248, 962, 1058, 1683, 1688, 2126, 2166, 2167,
 170, 2592, 3515, 3535, 4071, 4072, 4073, 4931, 4932, 4934,
 937, 4938, 5297, 5310, 6038, 6793, 6798, 6803, 7971, 8399,
 422, 8550, 4933.
 ethanol utilization 9525.
 ether sensitivity 1047.
 evolution 651, 4972, 6402, 6448, 6455, 7173, 7175, 8894.
 evolutionary genetics 2196, 4002, 6442, 6457.
 flight 2554, 4350.
 gene pool, humidity/genes, *Drosophila melanogaster* 6444.
 genes 591, 593, 594, 598, 599, 1286, 1290, 1292, 1293, 1295,
 1302, 1306, 1307, 2129, 2131, 2133, 2134, 2136, 2137, 2138,
 2142, 2143, 3126, 3128, 3129, 3132, 3133, 3134, 3647, 4005,
 4007, 4009, 4014, 4019, 4024, 4025, 4035, 4060, 4065, 4090,
 4866, 4868, 4869, 4871, 4873, 4874, 4875, 4876, 4878, 4880,
 4901, 5726, 5730, 5731, 6391, 6395, 6396, 6398, 6399, 6443,
 7120, 7125, 7129, 7132, 7134, 7135, 7136, 7137, 7139, 7140,
 7928, 7930, 7931, 7937, 7941, 7942, 7944, 7979, 7981, 8796,
 8797, 8801, 8803, 8804, 9667, 9669, 9672, 9675, 9696.
 genes/hormones 4916.
 genetics 5798.
 geographical distribution, Italy Veneto 1373.
 glands 1309, 7935.
 glycerol-3-phosphate dehydrogenase (NAD⁺), enzyme
 polymorphism 650.
 growth regulators 3649.
 haemocytes 3496, 9209.
 halothane/chloroform resistance 1345.
 halothane resistance 1344.
 histones 6435.
 hormones 341, 4564.
 hybrid dysgenesis 2162.
 hybrids 1335, 4946, 4948, 4950, 8860.
 β -hydroxy- α -ketobutyric acid, identification/role 1679.
 imaginal discs 2496, 2727, 7591.
 integument 6746.
 learning 3705.
 lipids 6749.
 longevity 2940, 8527.
 mating 1804.
 meiosis 4902.
 metabolism 249, 1672, 3529, 3530, 4410, 4411, 5320, 9197.
 metamorphosis 3653.
 muscles 3464, 4352, 7456.
 muscles/nerves 7467.
 mutagenesis 334, 1030, 1038, 1048, 2707, 3632, 3644, 3646,
 3655, 4061, 4064, 4068, 4551, 5416, 5743, 6428, 6429.
 mutagenesis trimorfamide 8469.
 mutation 623, 624, 629, 630, 1322, 1324, 1325, 1326, 1327,
 1331, 2157, 2158, 2159, 3151, 3153, 3154, 4062, 4063, 4067,
 4069, 4549, 4918, 4922, 4924, 4925, 4928, 4930, 4935, 5739,
 5740, 6422, 6423, 6426, 6427, 6431, 6432, 6434, 7154, 7155,
 7156, 7938, 7960, 7962, 7963, 7969, 7970, 8833, 8834, 8836,
 8837, 8838, 8839, 8842, 8844, 8847, 8848, 8849, 8852, 8853,
 8854, 9666, 9687, 9686.
 mutation/sense organs 8846.
 nerves 3475, 7475, 8507, 9170.
 new records, Brazil 6528.
 new records, New Zealand 9760.
 new species, Australia 75.
 new species, Czechoslovakia 2361.
 new species, India 2362, 4233, 9038, 9039, 9040.
 new species, Senegal/Ivory Coast 800.
 new species/host plants, Papua New Guinea 5885.
 new species/new records, Australia 1478.
 new species/new records, India 3350, 8188.
 nucleic acids 587, 588, 589, 590, 592, 595, 603, 605, 1287,
 1289, 1291, 1297, 1300, 1304, 2124, 2132, 2141, 2144, 3138,
 4006, 4010, 4012, 4013, 4018, 4026, 4029, 4033, 4074, 4882,
 5729, 6400, 7121, 7122, 7123, 7127, 7131, 7133, 7138, 7932,
 7933, 7934, 7940, 8798, 9674.

Drosophilidae, (continued)

nutrition 9204.
oogenesis 350, 1829, 3656.
optomotor response 2555.
orientation 5463.
osmoregulation 5342, 5343, 9243.
oviposition 1056.
parasitism 9457.
pesticide resistance 8870.
pheromones 6050.
phylogeny 6459, 8895.
ploidy 613.
pole cells 880.
polymorphism 4070.
polypeptides 2130.
population genetics 626, 640, 643, 647, 648, 649, 1341, 1352,
1353, 2164, 2177, 2180, 2190, 2191, 2193, 2194, 3168, 3172,
3179, 4083, 4085, 4088, 4093, 4095, 4592, 4954, 4955, 4957,
4959, 4960, 4961, 4963, 4964, 4968, 4969, 6446, 6450, 6453,
7976, 7982, 8872, 8874.
population models 4712.
populations 9537.
predation 3853.
protein biosynthesis 1308, 9673.
proteins 954, 2128, 3135, 3528, 3677, 4027, 6911, 7973,
9311.
pupariation 2691.
purines 3537.
radiosensitivity, age 9296.
rearing 5978.
regeneration 4531, 9312, 9315.
reproduction 1022, 4741, 6167.
reproductive isolation 2195, 3170.
reproductive strategy 7037.
resistance 9292.
Rickettsiales 2501, 3452.
segregation distortion 4023.
selection 642, 8884, 8893.
sense organs 1635, 8367, 9177.
senses 1634, 2551, 6018.
sex determination 604.
size 4757.
sound production 2767.
speciation 3178.
species diversity 487.
spermatogenesis 7649.
sterility 1825, 3140.
sterilization 7620.
survival 9321.
taxonomy 2363, 5884, 9041.
taxonomy/zoogeography 8187.
toxicity Agallol 3 6869.
toxicity Ceresan 8465.
toxicity effects on 8468.
toxicity insecticides 2466.
transposons 1296.
viruses 989, 999, 3582, 6086, 8460.
vitellogenesis 1852, 9361.
zoogeography 6527.

Drugs,

hosts, effects on reproduction, *Glossina palpalis* 2989.

***Drunella allegheniensis*,**

morphology 9139.

Dryinidae,

bionomics Cicadellidae, parasitism 5546.
new records, German Dem. Rep. 7201.
parasitism Cicadellidae, USA Kansas 436.
rearing 7416.
taxonomy 5926.

***Dryocoetes autographus*,**

isolation Sporozoa 7559.
Malamoeba scolytii infection 4495.

***Dryocosmus kuriphilus*,**

+ parasites, life cycles 1083.
biological control/parasitism 4631.

***Dryomyia circinnans*,**

galls, damage, host plants 6244.

***Dryomyza anilis*,**

larvae 5992.

Dryomyzidae,

larvae 5992.
life cycles/predation 9398.
new species, Nearctic Region 8189.

Dryopidae,

life cycles 5492.
new species, Peru 8141.

Dung,

nitrogen cycle, grasslands, role *Haematobia irritans* /
Onthophagus gazella 2929.

***Duvalius*,**

new species, Crete 8998.

Dyes,

cochineal, *Dactylopius* 402.
marking *Anthonomus grandis* 2460.
rose bengal, toxicity, Lepidoptera larvae 311.
use, identification photoreceptors, eye *Musca domestica*
1549.
xanthenes, toxicity, *Agrotis ipsilon* 2659.

Dynastidae,

taxonomy 6575.

Dynastinae,

biology 1075.

***Dynatus nigripes*,**

habitats/morphology/nests 4635.

Dyrinidae,

parasitism 430.

***Dysdercus*,**

migration/size, host plants effects on 6194.

***Dysdercus bimaculatus*,**

life cycles, variability/adaptations 2799.
population dynamics, host plants effects on 7816.

***Dysdercus cingulatus*,**

development/reproduction, food plants effects on 5409.
diets effects on β -D-fructofuranosidase activity 6800.
enzymes, median neurosecretory cells regulation 3506.
fecundity/longevity, starvation effects on 5596.
feeding/digestion, endocrinology 9194.

***Dysdercus cingulatus*, (continued)**

moulting inhibition, *Jonespeltis splendidus* cerebral gland implants 1725.
 toxicity plant extracts 4696.
 toxicity propoxur, residual effects 1776.

***Dysdercus fasciatus*,**
 digestion/excretion gossypol 8394.
 saliva 422.

***Dysdercus intermedius*,**
 sensilla, labium 7478.

***Dysdercus koenigii*,**
 apholate effects on neurosecretion/oogenesis 3633.
 chemosterilants 2738.
 development, hydroprene effects on 6887.
 -oxa-farnesane derivatives juvenile hormones activity 1693.
 cut enzymes/pH, development/reproduction 2577.
 haemolymph, chemosterilants effects on 3490.
 juvenile hormones analogues, *Psoralea corylifolia* plant extracts 4547.
 mating, juvenile hormones analogues effects on 4554.
 neurosecretion, histology 8314.
 oviposition deterrents, Lamiaceae plant extracts 8636.
 radiosensitivity 5427.
 reproduction/neurosecretion, environmental factors 6891.
 sterility, inheritance 3176.
 sterilization, tepa 6900.

***Dysdercus similis*,**
 larvae, scent glands secretions 1722.
 reproduction/development, precocene effects on 6888.
 sex pheromone 1701.
 sterols/esters concentration, embryogenesis 1853.

Dysderidae,
 new species, Spain 6558.
 new species/new records, Italy 5819.

***Dysmicoccus*,**
 new species, India 5151.

***Dysmictocarabus*,**
 interspecific hybridization 5747.

Dysteridae,
 new species, Iran 7256.

Dytiscidae,
 communities 7923.
 ecology/check lists, Italy Lucania 664.
 immature stages 8335, 8336.
 larvae 197.
 larvae, mouthparts, functional morphology 1665.
 life cycles 4640.
 new records, Poland Bieszczady Mts. 3204.
 new records, Switzerland 4999.
 new records, Yugoslavia 1369.
 new species, Ethiopian Region 5096.
 new species, Ghana 5097.
 new species, Kenya 5855.
 new species, Seychelles 1451.
 new species, Tanzania 2319.
 new species/Hyphidrus, Gabon/Ivory Coast 2298.
 predation 2109, 2828.
 pygidial gland defence secretions 2621.
 rhythms 1154.
 sense organs 4367.
 taxonomy 7281, 8142, 9010.

Dytiscus,
 predation *Culaea inconstans* 2828.

***Dytiscus dimidiatus*,**
 predation *Lymnaea truncatula* 2109.

***Dytiscus marginalis*,**
 larvae, mouthparts, functional morphology 1665.

***Dytoscotes*,**
 new genus, USA 6595.

***Eacles imperialis*,**
 food consumption/damage, *Coffea arabica* 3951.

***Earias fabia*,**
 pheromones bioassays, equipment 1559.
 reproductive behaviour 5448.

***Earias insulana*,**
 chemical control 6358.
 chemical control, *Gossypium hirsutum*, Burundi 3044.
 pest resistance *Gossypium* 4685.
 population dynamics 7806.
 toxicity insecticides 7564.

***Earias vitella*,**
 parasitism 2843.

***Ebaeus*,**
 new species, USSR 5102.

Eburliini,
 taxonomy 772.

***Eccoptoptera*,**
 new subspecies, Ethiopian Region 5085.

***Ecdyonurus*,**
 hatching, temperature effects 3638.
 new species, Mongolia, People's Rep. 808.
 new species, USSR 807, 2379, 4243, 5898, 7326.

***Ecdyonurus cristatus*,**
 new species, Nepal 6628.

***Ecdyonurus ornatipennis*,**
 larvae 807.

Ecdysis,
 see **Moulting**

Ecdysone,
 biosynthesis/role embryogenesis, *Locusta migratoria* 1787.
 20-hydroxyecdysone effects on metamorphosis, *Drosophila melanogaster* 3653.
 effects on acid phosphatase activity, *Aedes aegypti* 250.
 role chitin biosynthesis, imaginal discs *Plodia interpunctella* 1043.

Ecdysteroids,
 caste determination, *Pheidole pallidula* 3545.
 development, *Locusta migratoria* 3674.
 2,22-dideoxy-20-hydroxyecdysone isolation/
 characterization, ovary, *Bombyx mori* 1692.
 eggs/ovary, *Galleria mellonella* 2599.
 eggs *Schistocerca gregaria* 3664.
 prothoracic gland, *Tenebrio molitor* 2747.
 role epidermis development, *Manduca sexta* 1600.
 4-en-3-osteroids precursors, *Calliphora stygia* 1691.

Ecdysterone,
 effects on imaginal discs development, *Drosophila* 2727.
 induction aromatic-L-amino-acid decarboxylase mRNA, *Drosophila melanogaster* 595.
 role, oogenesis *Aedes aegypti* 1840.

***Echenopa binota*,**
 host selection, evolutionary genetics 9703.

***Echinocnemus*,**
 chromosomes 7950.

***Echinodera*,**
 new species/new records, Italy/Sardinia/Turkey 1447.

***Echthronyssus*,**
 review, Australia 757.

***Echthronatopus*,**
 taxonomy 1510.

Eciton burchelli,

association, Ithomiinae 5477.

Ecitonetes subapterus,

taxonomy 2396.

Ecdysis,see **Emergence, Hatching****Ecological genetics**,alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 8869, 8889.chromosomes polymorphism, *Drosophila buzzatii* 8873.chromosomes polymorphism, *Drosophila subobscura* 9708.chromosomes translocations, sex linkage, *Kaloterme*
approximatus 7168.coloration, *Coelophora inaequalis* 8863.coloration polymorphism, *Iridomyrmex purpureus* 9707.*Diptera* 4086.enzyme polymorphism, *Anthonomus grandis* 8881.

enzyme polymorphism, Aphididae 8871.

enzyme polymorphism, *Chorthippus brunneus* 9702.enzyme polymorphism, clones *Acyrtosiphon pisum* 8875.enzyme polymorphism, *Drosophila melanogaster* 8866,
8888.enzyme polymorphism, evolutionary genetics, *Trogophilus*
9705.enzyme polymorphism, frequency-dependent selection,
Drosophila melanogaster 6449.enzyme polymorphism, *Gerris* 7977.enzyme polymorphism, heterozygosity, *Aedes triseriatus*
8877.enzyme polymorphism, heterozygosity, *Chorthippus*
brunneus 7980.enzyme polymorphism, *Leptodirus hochenwarti* / *Orostygia*
4967.enzyme polymorphism, *Pectinophora gossypiella* 9711.enzyme polymorphism, population genetics, *Phlebotomus*
9701.enzyme polymorphism, rearing effects on, *Cydia pomonella*
9123.enzyme polymorphism heritability, *Yponomeuta cagnagellus*
8795.enzyme polymorphism heritability, *Yponomeuta hybrida*
8880.esterase enzyme polymorphism, *Drosophila melanogaster*
5752.esterase enzyme polymorphism, *Drosophila* 8865.esterase enzyme polymorphism, pesticide resistance, *Culex*
8309.ethanol/desiccation tolerance, *Drosophila* 8862.

fitness/homeostasis/variance body weight/bristles,

Drosophila melanogaster 6447.genes/environmental factors, coloration, *Ipiclides podalirius*
8892.geographical distribution, chromosome aberrations, India,
Anopheles stephensi 9710.geographical variations, emergence, *Megachile rotundata*
8591.geographical variations, *Pterostichus nigrata* 8868.geographical variations diapause/voltinism, *Drosophila* 8878.geographical variations-life cycles, *Chrysopa downesi* 8597.habitat selection, *Drosophila melanogaster* larvae 6452.inversions/enzyme polymorphism, *Drosophila subobscura*
8874.linkage disequilibrium, enzyme polymorphism, *Drosophila*
melanogaster 7169.melanism, *Chlorolestes fasciata*, South Africa Transvaal
5750.melanism, *Erannis defoliaria* / *Agriopsis marginaria* 9709.
overwintering, genes/environmental factors, *Lymantria*
dispar 9712.polymorphism, geographical variations, *Pemphigus*
populitransversus 9706.polymorphism, *Phiale* 8981.population genetics, *Aedes atropalpus* 8867.proteins polymorphism, *Anastrepha* 9700.reproductive isolation, *Culex quinquefasciatus* 8891.reproductive isolation, *Drosophila immigrans* 9713.reproductive isolation, *Pityogenes chalcographus* 8887.reproductive isolation, selection, *Drosophila melanogaster*
7978.reproductive success, geographical variations, *Musca*
domestica 8883.*Rhytidoponera* 7167.sex ratios, *Bombus* populations 6304.

sex ratios, evolutionary genetics, Hymenoptera 4970.

sex ratios, *Hylaes bisinuatus* 5753.

sex ratios, Insecta parasites 9714.

sex ratios, *Trioxys indicus* 9699.sexual dimorphism coloration, mimicry, *Eristalis arbustorum*
8864.

wings polymorphism, dispersal, selection, Carabidae 7983.

wings polymorphism, *Gerris remigis* / *Limnoporus*
canaliculatus 9704.wings polymorphism, temperature effects, *Ptinella* 4710.xanthine dehydrogenase enzyme polymorphism, *Drosophila*
pseudobscura 8890.**Ecology**,see also **Populations**abundance, seasonal variations, *Culicoides* / *Lasiohelea*
8712.

abundance, streams detritus effects on, Insecta 8792.

abundance/biomass, rivers, Simuliidae 7040.

abundance/distribution *Boophilus microplus*, environmental
effects, India Uttar Pradesh 1182.

abundance/distribution seasonal variations, lakes.

Chironomidae 8788.

abundance/distribution/species composition, body size
effects on, Formicidae 9501.abundance/pollination *Epipactis palustris*, Diptera/
Hymenoptera 7752.abundance/species diversity Arthropoda, foraging behavior
Formica lugubris effects on 9516.

Acrididae, USSR Dzhungarian Alatau 3237.

adaptations ethanol, *Drosophila* 2000.

adaptations Isoptera, arid zones, India 2926.

Aedes, vectors yellow fever virus, Senegal 2012.*Aedes simpsoni*, Nigeria 3840.age composition/colonies/survival, *Macrotermes bellicosus*
6298.air pollution, Lepidoptera population density/species
composition, conifers forests 4739.alpine environments, biomass/species composition/
abundance Arthropoda, Austria Obergurgl 1171.*Aphanostigma jakusiense* 5521.Aphodiidae cleptoparasitism Scarabaeinae environmental
factors, Niger 2919.*Apion curtirostre*, *Rumex acetosa* host plants 1947.*Apion violaceum*, *Rumex obtusifolius* host plants 1948.*Apis laboriosa* 1504.Araneae stratification, forests, relationship environmental
conditions 1173.

Arthropoda, trees 7790.

association *Ceratocystis ips*, *Orthotomicus erosus* 7787.association *Helianthus* Apoidea 6993.

Ecology,(continued)

- association Myxomycetes, *Anisotoma* 9013.
 benthos drift, invertebrates, seasonal variations 4856.
 benthos Insecta, human impact ecosystem dynamics, mountains streams 2115.
Betula pubescens defence mechanisms role population dynamics *Oporinia autumnata* 2899.
 biological control, review 2081.
 biomass, agricultural ecosystems, Insecta 9514.
 bionomics/population dynamics/reproduction, *Trimerotropis occidentalis* 5582.
 biting behaviour/population dynamics *Anopheles darlingi*, Brazil 2048.
Blasotere laevigatella 8663.
 breeding sites, Culicidae, USSR Povolzhie 3009.
 breeding sites Ceratopogonidae, USSR Donetsk 1975.
 breeding sites *Stomoxys calcitrans*, USA Florida 3020.
Calliphora augur 8654.
 Callipterinae, India West Bengal 2006.
 cannibalism effects on population dynamics, *Paruroctonus mesaensis* 3843.
 Carabidae/Staphylinidae, soil, Germany, Fed. Rep. Westphalia 3193.
Carabus hortensis 7809.
 carbon sources, *Clistoronia magnifica* larvae 7118.
Catanops haemorrhoidalis, Africa, West 2916.
 Chironomidae interspecific relationships Bivalvia 1282.
Choristoneura, associated Insecta, conifers forests 3859.
 Cicadidae 384.
Cicindela ancocisconensis 3721.
 climatic conditions effects on population levels, *Nilaparvata lugens* 1178.
Cloeon 2378.
 coexistence/competition, *Eupteryx* 4716.
 coexistence/competition, resource partitioning, *Panorpa* 1976.
 coexistence/interspecific interactions *Ceratina* 4728.
 Coleoptera, Poland Bialowieza National Park 2917.
 Coleoptera, *Riparia riparia* nests, Czechoslovakia 9504.
 Coleoptera, streams, Germany, Fed. Rep. Solingen 3119.
 Collembola, soil, forests 3996.
 Collembola communities, soil, grasslands, Switzerland 9511.
Colletes 2928.
 colonies, intertidal environments effects on survival, *Brachymyrmex depilis* / *Iridomyrmex* 2791.
 colonization coal mines waste disposal sites, Arthropoda 2920.
 Colorado tick fever ecosystems, *Dermacentor andersoni*, USA Colorado 3928.
 community composition Araneae, USA New Mexico 4717.
 community composition/habitat preferences Chilopoda, forests, USA Ohio 509.
 community composition/interspecific interactions, Formicidae 3858.
 community composition/species diversity Insecta, grasslands 1180.
 community structure, *Anoetus gibsoni* 5626.
 community structure, Auchenorrhyncha, grasslands 5594.
 community structure, Cicadellidae 5627.
 community structure *Drosophila* 2964.
 community structure/foraging behaviour, semiarid environments, Formicidae, Australia 2969.
 community structure Isopoda, forests, Japan 3893.
 community structure/niche overlap, grasslands, Orthoptera, mathematical models 3851.
 competition, niche overlap, intraspecific relationships, Insecta, freshwater environments 2114.
 competition/coexistence, Carabidae 1984.
Coptoformica exsecta 9637.
 Corixidae, rivers, USA North Dakota 3118.
Corynoneura / *Thienemanniella*, USA Ohio 1475.
Costelytra zealandica, mathematical models 3864.
Culex larvae, USA California 2110.
 Culicidae, Arctic Region 7792.
 Culicidae, Canada Quebec 2246.
Culicoides belkini 2013.
Culiseta inornata, aestivation 1918.
Cydia pomonella, USSR Ukraine 8661.
 decomposition leaf litter, *Phthiracarus* / *Rhysotritia ardua* 7019.
 demography, geographical variations, *Epiphyas postvittana*, southeast Australia 1990.
 development temperature effects 9323.
Dichroplus 5475.
 Diptera, forests, Germany, Fed. Rep. 2938.
 Diptera, grasslands 2960.
 dispersal, flight polymorphism, review 5576.
 dispersal bacteria/fungi, *Drosophila* / Hymenoptera 4722.
 dispersal stored products Insecta, history, review 7880.
 distribution, environmental effects, *Lasius niger* / *Myrmica* 1875.
 distribution, environmental effects, *Simulium* 2116.
 distribution, sampling, *Myzus persicae* 878.
 distribution, soil effects on, *Solenopsis invicta* 579.
 distribution/abundance *Nemurella picteti* / *Leuctra nigra* larvae 3999.
 distribution cocoons *Orgyia pseudotsugata*, *Pinus* 1190.
 distribution Culicidae, Hawaii Mauna Loa 4724.
 distribution/emergence/species composition Hymenoptera parasites Typhlocybinae 430.
 distribution/habitat selection, *Gyas* 8658.
 distribution/phenology, *Haemaphysalis leporispalustris* / *Dermacentor variabilis* 444.
Drosophila, India Nagarhole 2362.
 drought tolerance/survival Diptera, pools 4864.
 ecological distribution Coleoptera, heaths/forests, Europe 4711.
 ecological genetics, hybrids/species *Coenonympha* 2181.
 ecological genetics *Argia vivida* 1340.
 ecological genetics *Coelophora quadrivittata* 1347.
 ecosystem management, mathematical models, *Anthonomus grandis* - *Gossypium hirsutum* 6373.
 Elateridae, Poland Pieniny Mts. 3206.
 Elminthidae/Hydraenidae 8023.
 emergence Psychodidae, streams, Austria Lunz am See 4860.
 energetics/role nutrient cycles, *Rhopaea verreauxi* 3847.
 energy flow/population levels/productivity *Belenois mesentina* 1986.
 environmental effects life cycles, *Chironomus anthracinus* 1898.
 environmental factors, effects on grasslands Arthropoda 5471.
 environmental requirements, mathematical models, Carabidae 1183.
 Ephemeroptera, Coquet R., British Isles Northumberland 1280.
 Ephemeroptera, strams, Zaire 9656.
 Ephemeroptera, USA Connecticut 5722.
Ephydra cinerea populations, Great Salt Lake, USA 1279.
Epicauta 6186.
 eutrophic environments, Staphylinidae succession 2968.
 fauna, *Betula* 472.
 fertilizers effects on population density Diptera larvae, litter, forests 1181.

Ecology.(continued)

- filter feeders, Insecta, review 1276.
 food availability, *Ptychadena anchietae* effects on,
Chironomus imicola / *Dasyhelea thompsoni* 8672.
 food availability effects on development, *Ephydra cinerea* 3832.
 food sources, yeasts, substrate specificity, *Drosophila* 7048.
 foraging behaviour, *Pheidole* 7014.
 forests, Coleoptera 6275.
Forficula auricularia 2245.
Formica cinerea, USSR Byelorussia 2788.
 Formicidae, grasslands, Australia Northern Territory 3822.
 Formicidae mutualism herbaceous plants 2889.
 grasslands forage effects on population levels, *Haematobia irritans* 2934.
 grasslands species composition effects on population
 dynamics *Costelytra zealandica*, New Zealand 3829.
 grasslands species composition effects on population
 dynamics *Heteronychus arator* / *Graphognathus leucoloma*
 3844.
 grazing effects on *Hypera postica* / *Bathyplectes curculionis*
 populations, *Medicago sativa* crop fields 491.
 habitat preferences, adaptations, *Drosophila* 2927.
 habitat preferences, *Aedes aegypti* larvae 4758.
 habitat preferences, *Bombus*, alpine environments 8588.
 habitat preferences, Carabidae, polders, Netherlands 7791.
 habitat preferences, Chironomidae, streams, Canada Quebec
 580.
 habitat preferences, *Epirrita* 4748.
 habitat preferences, learning, *Camponotus vagus* / *Formica
 polyctena* 2772.
 habitat preferences, Mesoveliidae 5137.
 habitat preferences, Solifugae 4761.
 habitat preferences/activity patterns *Drosophila* 2942.
 habitat preferences/community composition Carabidae,
 forests 1166.
 habitat preferences/community composition Araneae,
 grasslands/forests 1187.
 habitat preferences/competition, Cicadidae, forests 3849.
 habitat preferences/niche separation *Isotoma*, Norway 3338.
 habitat preferences/population dynamics *Latrodectus*,
 Argentina Buenos Aires 482.
 habitat preferences/species diversity Noctuidae, USSR Altai
 1979.
 habitat selection, fungi effects on, *Drosophila* 9506.
 habitat selection, seasonal variations, Cicadellidae, USA
 Florida 3094.
 habitat utilization, *Helophorus* 1891.
 habitats, *Ctenocarabus galicianus* 2800.
 habitats, effects on feeding, *Dermaceator reticulatus* 7724.
 habitats, *Helosciomyza subalpina* 1076.
 habitats, Pyralidae, Neuchatel L., Switzerland 2922.
 habitats, Syrphidae, Czechoslovakia 1997.
 habitats, *Tabanus cordiger* larvae 7920.
 habitats Acrididae, distribution, forests/steppes 2007.
 habitats Insecta, Switzerland Balmoos 1362.
 habitats *Ixodes ricinus* / *Neotrombicula autumnalis*,
 Czechoslovakia Prague 1994.
 habitats Lepidoptera, France Mont Ventoux 495.
 habitats/niche separation, *Sphaeroderus* 8669.
 habitats/parasitism, Zygaenidae, Lebanon 8050.
 habitats/pollution indicators, Ephemeroptera, Italy Adige R.
 5008.
 habitats/symbiosis, *Oliarus vicarius* larvae 7822.
 habitats Trombiculidae, mountains, USSR Transcaucasus
 1184.
Haemaphysalis longicornis 8696.
 Halacaridae, beaches 4723.
 Haliplidae/Dytiscidae/Gyrinidae, Italy Lucania 664.
Harpalus circumspunctatus 3439.
Heliconius xanthoches 3839.
 host plants range extension, Insecta 1965.
 host preferences, *Oncopeltus fasciatus* 1982.
Hypogymna morio 1900.
 Insecta, lakes, India 7109.
 Insecta, streams, agriculture land use effects on community
 composition 2113.
 Insecta/Arachnida fauna *Nepenthes* 1945.
 Insecta communities, galls/plant mines 3836.
 Insecta interaction plants, review 2865.
 insecticides effects on community composition Coleoptera,
 soil, orchards 3115.
 interspecific interactions, coexistence, Perlidae larvae 3117.
 interspecific interactions, Formicidae, deserts 2921.
Ischnodemus 7821.
Ischyropsalis hellwigi, German Dem. Rep. 8662.
 Isoptera, Egypt, Arab Rep. 2087.
 Isoptera, Yemen, People's Rep. 2228.
Kleidocerys truncatulus 2924.
Lasius niger, pollution indicators, Poland Warsaw 2914.
Latrodectus 4730.
Latrodectus pavlovskii, USSR Uzbekistan 6273.
Leptagrion bocainense 1585.
Lutzomyia umbratilis 6288.
Maniola jurtina 7784.
 mathematical models, sterile release effects on population
 dynamics, Insecta 3097.
 migration effects on community composition, litter
 Arthropoda 2941.
 morphology variation, *Lochmaea capreae* 8692.
 mortality factors, *Costelytra zealandica* populations 3880.
Nemoraella pellucida 1172.
 nests relationship vegetation type, *Odontotermes obesus*
 3854.
 niche overlap, ecological genetics, *Drosophila* 2943.
Noterus, Denmark 3116.
 nutrient cycles/energy flow grasslands, role invertebrates
 3881.
Oedalea senegalensis 5692.
 Oribea communities, altitude effects on distribution, Fujisan
 Mt., Japan 513.
Otiorrhynchus rotundatus, Poland 2803.
Panolis flammea, *Pinus* forests, British Isles 1101.
 parasites species composition niches effects on, *Spodoptera
 praefica* 1993.
Parnalium cerisy 9143.
 pest outbreaks *Spodoptera exempta*, New Caledonia 3079.
 pest status *Otiorrhynchus cribricollis*, Italy Apulia 567.
 phenology/community composition Oribea, alpine
 environments, Austria Obergurgl 3841.
 phenology/spatial distribution, grasslands, *Auchenorrhyncha*
 8649.
Picromerus bidens 7224.
Pissodes notatus 5663.
 Picoptera, Nure R., Italy 3123.
 Picoptera, streams, Italy Appennino 2239.
Plutella maculipennis 3042.
 pollen resource exploitation, *Heliconius* 6966.
Pollinia pollini 375.
 pollution effects, Chironomidae fauna, Lambro R., Italy
 2117.
 population density/community composition, seasonal
 variations, environmental factors, benthos, lakes, Canada
 581.
 population density *Spodoptera frugiperda* / *Heliothis zea*,

ecology,(continued)

- environmental effects 494.
 population dynamics, environmental effects, Tetranychidae, India Varanasi 3882.
 population dynamics, mathematical models 497.
 population dynamics, *Saissetia*, Coccidae 508.
 population dynamics, sampling, mathematical models, *Dendroctonus jeffreyi* 2959.
 population dynamics, seasonal variations, Culicidae 4751.
 population dynamics/activity, seasonal variations, *Pterostichus*, Denmark 2794.
 population dynamics *Bemisia tabaci* 2073.
 population dynamics Coleoptera, stored products ecosystems 3943.
 population dynamics *Costelytra zealandica*, environmental effects 3828.
 population dynamics Culicidae, Fiji 3933.
 population dynamics *Culiseta melanura* 3910.
 population dynamics/development *Aedes aegypti*, mathematical models 492.
 population dynamics *Diatraea saccharalis*, Brazil 3870.
 population dynamics forests Insecta, role pathogens 3965.
 population dynamics *Heliothis armigera* 3874.
 population dynamics *Heteronyx obesus* 3875.
 population dynamics *Lophopterix camelina*, USSR Transural 3887.
 population dynamics *Mahanarva posticata*, Brazil 3871.
 population dynamics *Panonychus ulmi*, orchards, Canada Quebec 489.
 population dynamics *Panonychus ulmi* /*Stethorus punctillum* 3953.
 population dynamics *Pineus pini*, Kenya 2950.
 population dynamics/population growth, *Trialeurodes vaporariorum* /*Aleyrodes brassicae* 3827.
 population dynamics/role nutrient cycles, *Agonum retracts* 3821.
 population dynamics Scarabaeidae, environmental effects, grasslands 3856.
 population dynamics *Sericesthis nigrolineata*, mathematical models 3885.
 population dynamics/spatial distribution, Acari/natural enemies, *Solidago altissima*, Japan 2949.
 population growth *Musca domestica*, *Macrocheles* predation effects on 1179.
 population levels/species composition, agricultural ecosystems, Insecta 9513.
 population levels/species composition, breeding sites, snowmelt *Aedes* 9549.
 population regulation/trophic relations, Formicidae, soil 6381.
 population structure Protura, soil, forests 4852.
 population studies, *Paruroctonus mesaensis* 3872.
 population studies *Drosophila*, methodology 2955.
 population studies/pest control, book 747.
 predation effects on Lepidoptera pests populations 2912.
 entomophili 8080.
Opylea quatuordecimpunctata 7221.
 entomophilotes, Spain 3878.
Chodopygus intermedius, Brazil 9519.
 resource partitioning, *Bombus* 2957.
 resource utilization, *Drosophila* 2958.
 resource utilization, Scarabaeidae, dung, Zaire 2956.
 nitrogen cycle, grasslands, *Haematobia irritans* /*Onthophagus gazella* 2929.
 wetland marshes, resource partitioning, Homoptera guilds 3842.
Agus bipunctatus, Netherlands 675.
 Scarabaeidae, review 1075.
 seasonal variations, Staphylinidae, USSR Ukraine 4991.
Senecio jacobaea role population dynamics *Tyria jacobaea* 3793.
 sewage treatment plants, Insecta 7009.
 Simuliidae, Canada Manitoba, Souris R. 9520.
 soil fauna succession, pasture, Arthropoda 2967.
 spatial distribution, environmental factors, nests *Lasius* /*Myrmica* 6306.
 spatial distribution, taiga, Araneae 8652.
 species composition, Culicidae/*Culicoides*, South Africa 3019.
 species composition, forests tropical environments, Acrididae 9509.
 species composition, grasslands, Sphaeroceridae 7803.
 species composition, seasonal variations, Culicidae 8677.
 species composition, streams, Psychodidae 582.
 species composition/abundance, *Diadegma* /*Diadromus collaris* 1116.
 species composition Carabidae, forests, Germany, Fed. Rep., human impact 1176.
 species composition/habitats, Sepsidae 9515.
 species composition/population density, Acari/Collembola 4721.
 species diversity, Lepidoptera populations, urban environments, Spain Madrid 488.
 species diversity, streams fauna, environmental effects 583.
 species diversity/distribution Scorpiones, arid zones/ Mediterranean environments, Israel 2001.
 species diversity fauna *Opuntia* 463.
 species diversity Insecta, relationship plants 712.
 species diversity, Pteridophyta, Lepidoptera 462.
 species packing, *Podisus* 5615.
Spharagemon, Canada Quebec 1107.
Stenonema modestum 3734.
 streams sedimentation, effects on behaviour/distribution, Insecta 4857.
Subcoccinella vigintiquatuor punctata, book 5042.
 succession, Coleoptera, cattle dung 496, 502.
 succession Araneae/Carabidae, reclaimed land 484.
 survival/population levels *Anopheles subpictus*, capture-recapture studies 480.
 sympatric populations *Chamaesphexia*, Austria 9529.
Sympetrum madidum 4727.
Tabanus larvae 3838.
 temperature/host plants effects on population dynamics, *Neolittorid fenestratus* 4731.
Tenthredo velox 107.
Triatoma, review 5483.
Trichogramma 8668.
 Trichoptera, streams, USA Georgia 3124.
Tricorythodes atratus 2119.
 tropical agricultural ecosystems, foraging behaviour/activity Formicidae 2057.
 urban environments, *Blattella germanica* 5502.
 vertical migration, environmental effects, lakes, Acari 4855.
Ectobius, ootheca 6874.
Ectobius kraussianus, first record, Malta 8019.
Ectoedemia quercifoliae, first record, France 687.
Ectomerus, new species, India 3272.
 Ectopsocidae, taxonomy/new record, Australia 150.
Ectopsocus richardsi, taxonomy/first record, Australia 150.

- Ectotrabisus**,
new genus 6587.
- Ectropa viduata**,
taxonomy 795.
- Ectropina**,
new species, India 118.
- Ectropis**,
new species, Rwanda/Tanzania 8262.
revision, Japan 852.
- Ectrychotes abbreviatus**,
meiosis, chromosomes 2154.
- Ecuador**,
new records Cydnidae 8076.
new species Apidae 825.
new species Asterolecaniidae 4252.
new species Chelodesmidae 8298.
new species Coreidae 1492.
new species Ctenuchidae 850.
new species Hesperidae 5190.
new species Hydrophilidae 8147.
new species Leptosaldidae 5923.
new species Miridae 5911.
new species Mycetophilidae 1481.
new species Notodontidae 3392, 3393.
new species Salticidae 8981.
new species Scarabaeidae 3327.
new species Tipulidae 1488.
new subspecies *Chlorostyrmom simaethis* 5195.
new subspecies *Hemilucilia nubipennis* 3340.
- Edwardsiana**,
new species, USSA 90.
- Efferia frewingi**,
mating behaviour 8564.
- Eggs**,
Aedes, hatching, seasonal variations 1827.
Aedes sierrensis, hatching, environmental effects 1795.
Amblycerus 4331.
amino acids/ultrastructure, *Carausius morosus* / *Lonchodes pterodactylus* 6119.
Bombyx mori, susceptibility radiation (u.v.) 3640.
Calliphoridae 191.
chorion, morphology/biochemistry, *Antheraea polyphemus* 2484, 2485.
chorion cross-linking, peroxidase, *Drosophila* 9344.
Composoma 1097.
Cryptophlebia leucotreta 408.
Delia coarctata, sampling equipment 2449.
Deraeocoris nebulosus 2477.
development/mortality, Sahelian zone, *Oedaleus senegalensis* 3884.
diapause, ribosomes activity, *Bombyx mori* 2703.
diapause/hatching/oviposition, *Panonychus citri* 397.
dispersion, *Pyrilla perpusilla* 1978.
distribution, coloration/host plants effects on, Lepidoptera 1356.
ecdysteroids, *Galleria mellonella* 2599.
ecdysteroids, *Schistocerca gregaria* 3664.
egg shells, water permeability, temperature effects, *Bombyx mori* 2613.
egg shells secretion, *Schistocerca gregaria* 9358.
Ephemeroptera 6737.
equipment, sprays, infestations, *Heliothis zea*, *Lycopersicon* 2456.
esterase, *Myzus persicae* 9348.
Gonia cinerascens, hatching, environmental effects 2733.
heat treatments effects on viability/chromosomes, *Bombyx mori* 1833.
Insecta, review 357.
Lepidoptera, morphology, microscopy, methodology 875.
maturation, chromosomes ultrastructure, parthenogenesis, *Bombyx mori* 1594.
Micropteryx calthella 1571.
morphology/chorion ultrastructure, stored products
Lepidoptera, taxonomy 189.
Muscidae 1570.
nucleic acids, *Musca domestica* / *Drosophila melanogaster* 1287.
seasonal variations, *Nephila clavipes* 1911.
spatial distribution, *Wyeomyia smithii* 3835.
Spodoptera littoralis, toxicity diflubenzuron 2678.
survival, *Delia brassicae* 1174.
Syntomis fortunei 1885.
tanning, *Aedes aegypti* 1846.
temperature effects on hatching, *Pyrilla perpusilla* 1806.
ultrastructure, *Cheyletiella yasguri* 7446.
ultrastructure, *Sialis* 920.
viability, diflubenzuron/penfluron effects on, *Musca domestica* 1798.
water balance, *Diplonychus* 1854.
weird mutant *Tribolium castaneum*, humidity effects on hatchability 628.
- Egle**,
taxonomy 1468.
- Egypt, Arab Rep.**,
check lists *Cryptocephalus* 3315.
foraging behaviour, seasonal variations, *Anacanthotermes ochraceus* 1082.
geographical distribution *Bathyplectes* / *Hypera postica* 8020.
geographical distribution/biology *Anacanthotermes ochraceus* 3217.
new species Eriophyidae 6546, 7245.
new species Haplozetidae 8098.
new species/new records Oribatei 1421.
new species/new records Raphignathidae 7254.
new species Tydeidae 7255.
pest control Isoptera, review 2070, 2097, 2099.
pest status/biology/ecology Isoptera 2087.
- Egypt, Arab Rep. Giza**,
pest status *Anacanthotermes ochraceus*, vegetables 2100.
- Eharius**,
new species, Israel 8101.
- Eidognathus**,
new genus, Chile 1462.
- El Salvador**,
check lists/pest status Tetranychidae 7229.
new species Chernetidae 3292.
- EL-494**,
toxicity/effects on chitin biosynthesis, *Lymantria dispar* 314.
- Elachertus**,
new species, Mongolia, People's Rep. 1511.
- Elachistidae**,
new records, Netherlands 7205.
- Elampus**,
new species, USA/Cuba 5162.
- Elanela**,
new genus, Peru 3364.
- Elaphroptera**,
mate selection/reproductive isolation 5455.
- Elasmopalpus lignosellus**,
parasitism 7733.
- Elasmostethus**,
new records, USA South Carolina 4145.

- asmucha ferrugata*, morphology, adhesive structures 7455.
asmucha grisea, host plants, seasonal variations 7775.
 rental behaviour/anti-predator behaviour 4627.
asmucha lateralis, host record, USA South Carolina 4145.
 ateridae, bibliography 8960.
 ology/zoogeography, Poland Pieniny Mts. 3206.
 ys, Italy 36, 37, 38.
 e cycles 4637, 6184.
 rves 1622.
 w records, Poland 1366.
 w records, Sweden 671.
 w records, USA Florida 8932.
 w records, USA Missouri 9750.
 w species, Argentina 5098.
 w species, Bolivia 5100.
 w species, Canary Is. 5834.
 w species, Ethiopian Region 1452.
 w species, India 5856.
 w species, Panama/Brazil 5857.
 pulation studies, *Picea* forests, Czechoslovakia 1163.
 spiratory systems 5974.
 mpling 5225.
 onomy 51, 4200, 5099, 8143.
launon bipartitus, chromosomes 8816.
dana saccharina, e cycles/host plants 4611.
 st status/parasitism, *Saccharum officinarum*, Ghana 6368.
odes armata, ticle, lipids 6004.
la abnormis, st record, Spain 806.
igma narcissus, owth regulators, *Santalum album* plant extracts 2728.
 psocidae, w species/new records, Nearctic Region 7404.
 psocus, w species/new records, Nearctic Region 7404.
 kneria, onomy 9093.
 nidae, na/new species, Portugal 2320.
 cycles 5492.
 w records, British Isles 6465.
 onomy 7282.
 nididae, onomy 7282.
 ninthidae, ck lists/ecology, Germany, Fed. Rep. Bavaria 8023.
 onomy 7282.
 nis, onomy 7282.
 mnias, w species, Philippines 133.
soceraphron hungaricus, t record, Sweden/USSR 6660.
aturga atomaria, t outbreaks, Netherlands Strabrechtse Heide 563.
 bryology, *rausius morosus* 2778.
osophila 324.
osophila melanogaster 7594.
 ystone role embryogenesis, *Locusta migratoria* 1787.
 embryogenesis, amino acids, *Chilomenes sexmaculata* 3624.
 embryogenesis, DNA content, *Bombyx mori* 1288.
 embryogenesis, *Dolichopoda linderi* 2701.
 embryogenesis, *Drosophila* 3622.
 embryogenesis, *Drosophila melanogaster* 3620, 3623.
 embryogenesis, environmental effects, *Tenebrio molitor* 329.
 embryogenesis, inbreeding effects on, *Bombyx mori* 1812.
 embryogenesis, neurosecretion, brain, *Lymantria dispar* 4529.
 embryogenesis, paired mutant, *Drosophila* 4062.
 embryogenesis, pole cells, *Drosophila melanogaster* 2499.
 embryogenesis, RNA biosynthesis, *Bruchidius obtectus* 2140.
 embryogenesis, sugars, *Dermacentor andersoni* 3511.
 embryogenesis, X chromosome elimination, *Sciara ocellaris* 617.
 embryogenesis *Diabrotica undecimpunctata* 3621.
 ether sensitivity, embryos, *Drosophila melanogaster* 1047.
 heart, *Acheta domestica* 946.
 mathematical models, *Drosophila* 1788.
 mutation *Drosophila melanogaster* 624.
 nerves, leg *Schistocerca nitens* 6876.
 nuclei transplants, *Drosophila* 9308.
 oenocytes, *Eurygaster integriceps* 9307.
 pole cells ultrastructure, *Calliphora erythrocephala* embryos 1597.
 radiation (u.v.) effects on embryogenesis, *Drosophila* 2741.
 mRNA biosynthesis, *Drosophila* embryos 2124.
Scolypopa australis 1789.
 sterols/esters concentration, *Dysdercus similis* 1853.
Embryos, see **Embryology**
Emergence, *Amblycerus* 4331.
 circadian rhythms, *Culicoides variipennis* 3487.
Dryocosmus kuriphilus + parasites 1083.
 environmental effects, Psychodidae 582.
 environmental effects/seasonal variations, *Contarinia sorghicola* 1980.
 environmental factors, *Amblyomma variegatum* 9336.
 humidity effects on, *Cryptophlebia leucotreta* 409.
 Insecta, environmental effects, streams, Germany, Fed. Rep. Bonn 1275.
 prey size effects on, *Dinocras cephalotes* 3755.
 soil moisture effects on, *Curculio caryae* 1029.
Spilopsyllus cuniculi, rearing 3736.
 temperature effects on, *Gonioctena americana* 339.
 traps, Culicidae 3416.
 traps, *Diabrotica* 172.
 traps, pasture Insecta 3419.
 wings, *Locusta migratoria* 3460.
Emmelinea jezonica, first record, Germany, Fed. Rep. 9737.
Empididae, mutualism 8657.
 new records, British Isles Northamptonshire 7999.
 new records, Czechoslovakia 7197.
 new species, fossils, Cretaceous, USSR 1469, 1479.
 new species, Hungary 6610, 8174.
 new species, USSR 5886, 5887.
 phenology/distribution, streams 5723.
 taxonomy 7310.
 types 4221.
Empoanara, new species, Cicadellidae 7345.
Empoasca, infestations, fruits, Pakistan 9470.

Empoasca, (continued)

life cycles 5627.
 new species, Pakistan 7345, 8233.
 new species, Uganda 5922.
 new species, USSR 1501.
Empoasca decipiens,
 feeding 4660.
Empoasca dolichi,
 pest resistance *Vigna unguiculata* 6356.
Empoasca fabae,
 pest resistance *Solanum* 454.
 pest status, *Arachis hypogaea* crops, Canada Ontario 5696.
 sugars, effects on feeding/survival 7516.
 transmission potato spindle tuber viroid 1234.
Empoasca kraemeri,
 host plants effects on biology/development 1882.
 integrated control 7072.
 oviposition site selection 1942.
Empoasca punjabensis,
 infestations, vegetables, Pakistan 9462.
Empoascanara,
 new species, Australia/Oriental Region 5921.
 taxonomy 5920.
Empria,
 new species, Canada 8255.
 new species, Switzerland 6669.
 taxonomy 4277.
Enallagma cyathigerum,
 mating/oviposition behaviour 6172.
Enallagma parvum,
 chromosomes 7949.
Enallagma travium,
 records, USA Kentucky 8942.
 reproductive behaviour 8562.
Enargia paleacea,
 first record, Iberian Peninsula 1388.
Encarsia,
 new species, Israel/Italy 9075.
 new species, Italy 9076.
 sense organs, antennae 9178.
Encarsia formosa,
 biological control! *Trialeurodes vaporariorum* 5660.
 biological control *Trialeurodes vaporariorum*, review 5694.
 biology 8612.
 parasitism *Trialeurodes vaporariorum* 5548.
Encarsia lutea,
 parasitism *Bemisia tabaci* 2073.
Encarsia pergandiella,
 introduced species, Italy 9618.
Enchenopa binotata,
 bionomics relationship host plants/evolution sympatric
 populations 1355.
Encyrtidae,
 biological control 7093.
 development 4665.
 life cycles 3729.
 new records, India 711.
 new records, Japan 8040.
 new records, Taiwan 8061.
 new records, USSR 6511.
 new species, Algeria 5165.
 new species, Argentina 2403.
 new species, India 1510.
 new species, Japan 7355.
 new species, Thailand 99.
 new species, USSR 101, 1509, 5927, 8248, 9080.
 parasitism 1928, 4805, 6971, 6999, 7732, 7744.

parasitism *Plusia*, Brazil 2002.
 rearing 4322.
 revision, Neotropical Region 4266.
 taxonomy 98, 5164, 7356, 7357.
 taxonomy/parasitism 100.
 zoogeography 5035.
Endaphis,
 new species, Canada 8179.
Endaphis gregaria,
 parasitism Aphididae 8179.
Endeostigmata,
 new species, USA South Dakota 7243.
Endoistomyia,
 taxonomy 9053.
Endomychidae,
 taxonomy 6576.
Endosulfan,
 control *Rachiplusia nu* 2079.
 control *Rhyacia herculea* 3958.
 control *Smicronyx fulvus* 2062.
 toxicity, *Apis mellifera* 3600.
 toxicity, *Chrysopa boninensis* 2787.
 toxicity/effects on respiration, *Atta laevigata* 1017.
Endrin,
 toxicity/bioaccumulation, aquatic organisms 2122.
Enema pan,
 chromosomes 4037.
Energetics,
 see **Energy, Populations**
 Acrididae populations, grasslands, alpine environments, New
 Zealand 3848.
 cleptoparasitism, *Argyrodes elevatus* - *Nephila clavipes* 773.
 development, *Cloeon dipterum* 8487.
 Diptera populations, forests, Germany, Fed. Rep. 2938.
 energy budget, *Glossina morsitans* 1981.
 energy flow, mathematical models, *Rhizoglyphus echinopus*
 4759, 4760.
 energy flow, salt marshes, Tettigoniidae 6280.
 energy flow *Belenois mesentina*, tropical grasslands 1986.
 energy flow/production, *Brachycercus* / *Procladius* / *Tendipes*
decorus 4000.
Epilampra irmieri, tropical rain forests 1177.
 food consumption/metabolism, *Costelytra zealandica* larva
 3519.
 grazing dynamics, forests, Insecta 7026.
 mathematical models, *Hippodamia convergens* 7795.
 nutrient cycles, deserts, *Gnathamitermes tubiformans* 7028.
 nutrient cycles, nests, *Formica polyctena* 9640.
 respiratory quotient, environmental factors, *Euzetes globulus*
 7497.
Enicocephalidae,
 biology 9417.
 new species, Australia 2383.
 taxonomy 7329.
Enicospilus,
 new species/new records, India 5173.
Enigmilichia,
 new genus, Ethiopian Region 7313.
Enneboeus,
 taxonomy 4216.
Ennomos subsignarius,
 biology 2815.
 artificial diets, development 9202.
Entomacis,
 new species, New Zealand 1508.

- Entomobrya kanaba*,
pest status, USA California 4813.
- Entomobryidae**,
habitats 9524.
- new species, Costa Rica 8170.
- new species, India 1464.
- new species, India/Nepal 4220.
- new species, Mexico 6597.
- new species, Peru 6596.
- new species, Zaire 7304.
- orientation 4600.
- osmoregulation 4471.
- pests 4813.
- populations 7824.
- taxonomy 4219, 9030.
- Entomoculia**,
new species, Italy 5874.
- new species, Sardinia 793.
- Entomoscelis americana**,
male chemoreceptors 5273.
- Environmental effects**,
weather, flight activity *Apis mellifera* 4709.
- Environmental factors**,
activity patterns/geographical distribution, *Atta* 7005.
- eration, effects on population levels, *Cheyletus* /
Glycyphagus 7008.
- ir pollution, bioassays, Arthropoda 8300.
- ir pollution, Lepidoptera population density/species
composition, conifers forests 4739.
- naesthetics/temperature effects, metabolism, *Formica rufa*
9212.
- noxia, overwintering survival, *Leptophlebia vespertina* 6949.
- noxia/phosphine, embryogenesis, *Ephestia cautella* 6901.
- tmospheric pressure, effects on oxygen consumption, *Apis
mellifera* 8404.
- calcium chloride, effects on survival, *Aedes* 9324.
- carbon dioxide, behaviour/diel activity, *Haemaphysalis
longicornis* 5472.
- carbon dioxide, effects on nerves/polymorphism, *Locusta
migratoria* 8517.
- carbon dioxide/oxygen/pH, ventilation *Nauphoeta cinerea*
5282.
- rcadian rhythms feeding, *Zeiraphera diniana* 6023.
- imate, population dynamics Lygaeidae 7018.
- old, adaptations, *Pytho americanus* 5338.
- old acclimation, *Sitophilus* 5339.
- old hardiness, overwintering, *Aphidecta oblitterata* 4646.
- old hardiness, physiology, *Coleomegilla maculata* /
Hippodamia convergens 4468.
- old tolerance, adaptations, haemolymph, Insecta 5344.
- old tolerance, diapause, *Adelges cooleyi* 6066.
- old tolerance, *Drosophila* 6064.
- old tolerance, overwintering, *Aphidecta oblitterata* 4646.
- oloration, *Iphiclides podalirius* 8892.
- ommunity composition, Ephemeroptera 8789.
- ommunity composition rivers, Chironomidae 8790.
- owding, effects on agonistic behaviour, *Tetranychus
urticae* 9436.
- owding, effects on development, *Spodoptera littoralis*
8535.
- owding, effects on population dynamics, *Delia antiqua*
9522.
- owding, effects on swarming, *Apis mellifera* 9638.
- ydration, osmoregulation, *Trichostetha fascicularis* 6829.
- ssication, survival, *Diplectrona modesta* larvae 7924.
- stritus, streams, effects on abundance Insecta 8792.
- development, *Oryzophilus acuminatus* 7579.
- diapause, *Microctonus vittatae* 4535.
- diapause, temperature effects, *Drosophila* 4525.
- diapause induction, *Heliothis virescens* 9319.
- diapause termination, *Cydia pomonella* 4540.
- diapause termination, *Heliothis virescens* 9320.
- environmental stress, behaviour, *Varroa jacobsoni* 6180.
- environmental stress, fitness/adaptations, *Tribolium
castaneum* 5751.
- ethanol, habitat selection, *Drosophila* 6183.
- fertilizer applications/grazing, grasslands Arthropoda 5471.
- flight activity, Crambinae 4608.
- flooding effects on Carabidae 7682.
- food availability/temperature effects, development, *Simulium*
6897.
- food availability/temperature effects, foraging behaviour,
Novomessor cockerelli 9393.
- food/temperature effects, development, *Hypoaspis aculeifer*
6115.
- geographical distribution, Netherlands, *Adscita statice* 5775.
- growth/survival, *Hylotrupes bajulus* 5495.
- human impact, abundance/distribution, Ixodidae 8664.
- humidity, biology *Amblyseius andersoni* / *Neoseiulus* 5473.
- humidity, effects on *Entomophthora muscae* infection,
Musca domestica 7550.
- humidity, effects on immature stages, *Bactra verutana* 9433.
- humidity effects, growth/metabolism, *Tineola bisselliella*
8413.
- humidity effects on methyl bromide toxicity, *Sitophilus
granarius* 9288.
- humidity/temperature, development *Microterys flavus* 4665.
- humidity/temperature, puparia *Haematobia irritans* 6146.
- humidity/temperature effects, development, *Corcyra
cephalonica* 6151.
- humidity/temperature effects, development/survival,
Carpophilus 6896.
- humidity/temperature effects, development, *Dermestes ater*
7576.
- humidity/temperature effects, embryology, Tettigoniidae
9309.
- humidity/temperature effects, life cycles, *Amblyomma
variegatum* 5484.
- humidity/temperature effects, population growth,
Glycyphagus destructor 5604.
- humidity/temperature effects, survival, *Acanthomia
tomentosicollis* 5336.
- humidity/temperature effects, swarming behaviour, *Dorylus
labiatus* 5525.
- humidity/temperature/soil moisture, development/
reproduction, *Agrotis ipsilon* 4546.
- isolation, effects on food consumption, *Apis mellifera* 9440.
- isolation, effects on 10-hydroxydec-2-enoic acid secretion,
Apis mellifera 9252.
- Isoptera communities 7007.
- life cycles, reservoirs, *Heterocloeon curiosum* 9659.
- life cycles, *Simulium* 5488.
- light, bioluminescence, *Photuris* 4725.
- light, orientation, *Gryllus bimaculatus* 4601.
- light intensity, flight activity, Lepidoptera 5474.
- light/temperature, aggregation *Aedes stimulans* 7112.
- light/temperature effects, abundance, Calliphoridae 8901.
- magnetic fields, activity patterns *Apis mellifera* 5470.
- magnetic fields, avoidance behaviour, *Acromyrmex
octospinosus* 7910.
- magnetic fields/radiation, mutagenesis, *Drosophila
melanogaster* 5416.
- management, effects on reproduction/swarming, *Apis*

Environmental factors.(continued)

- mellifera 9630.
 manure treatment, pest outbreaks, Siphonaptera 8718.
 mating competitiveness, *Dacus cucurbitae* 6916.
 meals size/temperature, food assimilation, *Chaoborus trivittatus* 5288.
 metabolic wastes, survival *Drosophila* 9321.
 mines industrial wastes, toxicity, *Acroneuria xanthenes* / *Ameletus* 8767.
 orientation, *Pterohelaeus darlingensis* larvae 6929.
 overwintering, *Lymantria dispar* 9712.
 oviposition/emergence, *Amblyomma variegatum* 9336.
 oxygen effects on survival, Corixidae 7113.
 ozone, effects on population dynamics, *Tribolium* 9540.
 phenology *Rhipicephalus appendiculatus* 9427.
 photoperiod, circadian rhythms, Insecta, review 5281.
 photoperiod, development/reproduction, *Phthorimaea operculella* 6113.
 photoperiod, diapause, *Drosophila* 8878.
 photoperiod, diapause, geographical variations, *Drosophila auraria* 4536.
 photoperiod, diapause, *Pyrausta sticticalis* 8528.
 photoperiod, diapause, *Tipula simplex* eggs 4534.
 photoperiod, diapause/oviposition, *Aelia acuminata* 4548.
 photoperiod, effects on circadian rhythms, *Periplaneta americana* 6823.
 photoperiod, effects on diapause, *Apatura* 6878.
 photoperiod, effects on sex determination, *Myzus persicae* 7629.
 photoperiod, effects on weight/larviposition, *Myzus persicae* 6154.
 photoperiod, sex determination, *Myzus persicae* 4579.
 photoperiod, sex polymorphism, *Aphis fabae* 7642.
 photoperiod/temperature, diapause, *Barathra brassicae* 8515.
 photoperiod/temperature, diapause, *Ephestia cautella* 6128.
 photoperiod/temperature, diapause *Thyridopteryx ephemeraeformis* 5399.
 photoperiod/temperature, effects on diapause, *Tetrastichus julis* 6877.
 photoperiod/temperature, oviposition *Sitona hispidulus* 5413.
 photoperiod/temperature, sex pheromone rhythms, *Cydia pomonella* 4436.
 photoperiod/temperature, sex pheromone rhythms, *Grapholitha molesta* 4587.
 photoperiod/temperature, sex pheromone rhythms, *Cydia pomonella* 4588.
 photoperiod/temperature effects, development, *Phlogophora meticulosa* 5428.
 photoperiod/temperature effects, development, *Trioxys indicus* 5545.
 photoperiod/temperature effects, diapause, *Chortoicetes terminifera* eggs 5400.
 photoperiod/temperature effects, diapause, *Lygaeus equestris* 6126.
 photoperiod/temperature effects, diapause, *Aedes dorsalis* 7626.
 photoperiod/temperature effects, diapause, *Tetrix undulata* 8511.
 photoperiod/temperature effects, oogenesis, *Eysarcoris ventralis* 7606.
 photoperiod/temperature effects, oxygen consumption, diapause, Staphylinidae 6807.
 photoperiod/temperature/water, hatching, *Tipula simplex* 5414.
 phototaxis, *Galleria mellonella* larvae 4606.
 pollution, aquatic pollution removal, Insecta 6388.
 pollution, *Bacillus thuringiensis*, nontarget organisms Insecta 5667.
 pollution, chromium, Ephemeroptera 9658.
 pollution, community composition Trichoptera 4802.
 pollution, ecology Insecta, sewage treatment plants 7009.
 pollution, osmoregulation *Simulium ornatum* 4465.
 pollution effects, BAY SIR 8514, aquatic environments, nontarget organisms 9566.
 pollution effects, ponds, indicator organisms, Chironomidae 9530.
 pollution effects, population dynamics, Aphididae 8748.
 pollution effects, population dynamics *Dendroctonus brevicornis* 6286.
 pollution levels cadmium, *Halobates micans* 6384.
 population dynamics, mathematical models, *Tribolium castaneum* 5605.
 population dynamics, *Nala lividipes* 4750.
 population dynamics *Carabus hortensis* 7809.
 population dynamics/phenology, *Folsomia quadrioculata*, forests 9538.
 population dynamics *Rhipicephalus appendiculatus* 7827.
 population dynamics *Saissetia oleae* 5631.
 population growth/fecundity, *Aleyrodes brassicae* 5419.
 queens rearing/swarming, *Apis mellifera* 9645.
 radiation (γ), carbohydrates metabolism, *Dacus oleae* 6027.
 radiation (γ), reproduction *Galleria mellonella* 4545.
 rainfall/nutrition, abundance, *Paravespula germanica* 8667.
 rainfall/temperature effects, population dynamics, Aphididae 6300.
 rearing *Coccygomimus turionellae* 7619.
 reproduction, *Phalaenoides glycine* 8533.
 salinity, osmoregulation, *Trichocorixa reticulata* 5340.
 salinity effects, osmoregulation, *Erythrodiplox berenice* 6063.
 salinity effects, oviposition site selection/population dynamics, *Anopheles albimanus* 9329.
 sex pheromone response, *Sitotroga cerealella* 6054.
 sex ratios, *Diplonychus indicus* 8583.
 snow, effects on predation, *Lymantria dispar* eggs 7000.
 soil characteristics, oviposition site selection, *Aedes vexans* 4596.
 soil moisture, oviposition site selection, *Aedes vexans* 7664.
 soil organic matter, effects on longevity, *Coptotermes formosanus* 6112.
 soil pH, hatching/survival *Popillia japonica* / *Rhizotrogus majalis* 6181.
 spatial distribution, nests *Lasius* / *Myrmica* 6306.
 starvation, fecundity/longevity *Dysdercus cingulatus* 5596.
 starvation/temperature, fat body/midgut ultrastructure, *Atheta fungi* 9211.
 starvation/water, longevity *Loxosceles laeta* 5389.
 streams water flow, emergence/light, Dryopoidea 5492.
 sulphur dioxide, effects on metabolism/reproduction, *Aphis fabae* 7086.
 surface tension, mathematical models, locomotion, *Chresmoda* / *Gerris* 8949.
 survival, *Malacosoma californicum* 5497.
 temperature, biochemistry *Periplaneta americana* 5337.
 temperature, cold tolerance, high-altitude environments Insecta 7523.
 temperature, competition *Drosophila* 6307.
 temperature, development, *Haematobia irritans* 8532.
 temperature, development, *Oestrus ovis* pupae 6893.
 temperature, development *Alphitobius diaperinus* 7863.
 temperature, development *Argyrogramma albobristata* 4544.
 temperature, development *Cnaphalocrocis medinalis* 5412.

Environmental factors,(continued)

- temperature, development *Folsomia candida* /*Xenylla grisea* 4553.
- temperature, development/oviposition/predation, temperature effects 6182.
- temperature, development/survival, *Aglais urticae* 8518.
- temperature, development/survival, *Phlyctinus callosus* 9335.
- temperature, diapause, *Cydia pomonella* 6889.
- temperature, embryogenesis *Orchesella cincta* 7824.
- temperature, feeding/growth/metabolism, *Acheta domestica* 6145.
- temperature, flight *Glossina morsitans* 6752.
- temperature, hatching, mathematical models, *Panonychus ulmi* 5526.
- temperature, respiratory quotient, *Euzetes globulus* 7497.
- temperature, survival/reproduction, *Cydia pomonella* 7621.
- temperature, symbionts, *Sitophilus zeamais* 5224.
- temperature, transmission rice waika virus, *Nephotettix cincticeps* 7082.
- temperature/desiccation, development *Lucilia cuprina* eggs 5421.
- temperature effects, coloration, *Microctonus vittatae* 6061.
- temperature effects, coloration, *Zonocerus variegatus* 6953.
- temperature effects, development, ecology/evolution 9323.
- temperature effects, development, *Onthophagus granulatus* 7804.
- temperature effects, development, *Orius insidiosus* 9331.
- temperature effects, development, *Trichogramma pretiosum* 8519.
- temperature effects, development/community composition, Gerridae 6890.
- temperature effects, development/reproduction, *Drepanosiphum* 7609.
- temperature effects, development/reproduction, *Hyposoter exiguae* 9451.
- temperature effects, diapause eggs, *Gryllus firmus* 7596.
- temperature effects, emergence, *Heliothis armigera* 8531.
- temperature effects, emergence pests Insecta 8650.
- temperature effects, flight, *Lymantria dispar* 6801.
- temperature effects, gonads development, *Culex tarsalis* 7611.
- temperature effects, life cycles, *Bucculatrix pyrivorella* 6955.
- temperature effects, life cycles, *Plutella xylostella* 8596.
- temperature effects, muscles/nerves, *Drosophila* 7467.
- temperature effects, nets spinning, *Hydropsyche* 5491.
- temperature effects, oviposition, *Hemerobius stigma* 6142.
- temperature effects, phenology, *Quadraspidoletus perniciosus* 5629.
- temperature effects, population dynamics/development *Heliothis armigera* 6150.
- temperature effects, population dynamics, *Panonychus ulmi* 7785.
- temperature effects, population growth, *Culex annulirostris* 6279.
- temperature effects, predatory behaviour, *Cicindela hybrida* 5622.
- temperature effects, reproduction, *Culex* 7607.
- temperature effects, toxicity acaricides, *Phytoseiulus persimilis* /*Tetranychus urticae* 9283.
- temperature effects circadian rhythms mating behaviour, *Teleogryllus commodus* 4383.
- temperature effects/humidity effects, oviposition/development, *Gastrimargus transversus* 8530.
- temperature effects on development, *Amphinemura* 9389.
- temperature effects on flight, *Ostrinia nubilalis* 9422.
- temperature/humidity, development, *Chilo auricilius* 8572.
- temperature/humidity, development, *Neodiprion sertifer* 8524.
- temperature/humidity, development/reproduction, *Dermatophagoides pteronyssinus* 6143.
- temperature effects/humidity, gene pool, *Drosophila melanogaster* 6444.
- temperature/humidity, reproduction/development *Gastrimargus transversus* 6895.
- temperature/humidity, reproduction/neurosecretion, *Dysdercus koenigii* 6891.
- temperature/light, mating behaviour, *Chilo suppressalis* 7616.
- temperature/photoperiod, development/oviposition, *Eotetranychus hicoriae* 7614.
- temperature tolerance, adaptations, *Drosophila* 5624.
- temperature tolerance, adaptations deserts, *Arenivaga* 9246.
- trampling, species composition/activity, Coleoptera 8665.
- undergrowth, effects on behaviour, *Aradus cinnamomeus* 8578.
- vgravity/light, flight *Manduca sexta* 4154.
- water temperature, development Insecta 4863.
- weather, life cycles *Ditula angustiorana* 7709.
- weather, migration, *Simulium damnosum* 5579.
- weather, population levels Aphididae 7029.
- weather, traps catches, *Chrysopa carnea* 7808.
- weather/host plants, hatching, *Catocala* 5500.
- wind, effects on mating/pheromone emission, *Chilo sachariphagus* 9369.
- wind, hatching, *Ceroplastes ceriferus* 5408.
- wood humidity, effects on development/feeding, Isoptera 6139.
- ZR515 effects on caste differentiation, *Reticulitermes flaviceps* 5418.
- Environmental impact,**
- mining effects on species diversity, streams benthos 8793.
- Enzymes,**
- acetyl-CoA carboxylase/fatty acid synthetase regulation, fatty acids 261.
- acetylcholinesterase, activity, *Aedes aegypti* cell lines 6789.
- acetylcholinesterase, ocelli, *Apis mellifera* 6762.
- acetylcholinesterase activity, ocelli, *Apis mellifera* 6009.
- acetylcholinesterase activity/inhibition, assays, *Musca domestica* /*Spodoptera littoralis* 2446.
- acetylcholinesterase enzyme polymorphism, *Drosophila melanogaster* 2170.
- acetylcholinesterase induction, β -ecdysone, cell lines, *Drosophila* 4931.
- β -N-acetylglucosaminidase activity, sex/development/diets effects on, *Sitophilus oryzae* 2583.
- acid phosphatase purification/characterization, *Drosophila melanogaster* 2592.
- acid phosphatase, ecdysones induction, *Calliphora erythrocephala* 4413.
- acid phosphatase, fat body, development *Calliphora erythrocephala* 4414.
- acid phosphatase activity, ecdysone/chemosterilants effects on, *Aedes aegypti* 250.
- acid phosphatase distribution, juvenile hormones effects on, *Oncopeltus fasciatus* 2729.
- activity, gut, Staphylinidae 3499.
- activity, host plants effects on, *Peridroma saucia*, pesticide resistance 2876.
- activity, pesticide resistance, *Musca domestica* 242.
- adenosinetriphosphatase, development, *Apis* 7509.
- adenosinetriphosphatase, osmoregulation, gills *Paragnetina media* 4469.
- adenosinetriphosphatase activity, *Locusta migratoria* 4409.
- adenylate cyclase, AMP/AMP (2'-deoxy) effects on, *Bombyx*

Enzymes,(continued)

- mori fat body 951.
 alanine aminotransferase, gene mapping, *Drosophila melanogaster* 593.
 alcohol dehydrogenase, *Acheta domestica* 9198.
 alcohol dehydrogenase, amino acid sequence, *Drosophila melanogaster* 955.
 alcohol dehydrogenase, enzyme polymorphism, *Drosophila melanogaster* 3168, 4095, 4933, 4934.
 alcohol dehydrogenase, enzyme polymorphism, *Ceratitis capitata* 4952.
 alcohol dehydrogenase, enzyme polymorphism, *Drosophila* 5749.
 alcohol dehydrogenase, enzyme polymorphism, urea/temperature effects, *Drosophila melanogaster* 8422.
 alcohol dehydrogenase, genes, *Drosophila melanogaster* 7930.
 alcohol dehydrogenase, properties, *Drosophila* 6038.
 alcohol dehydrogenase, purification/characterization, *Drosophila* 962.
 alcohol dehydrogenase activity, *Drosophila* 248.
 alcohol dehydrogenase deficient mutant, *Drosophila* 2157.
 alcohol dehydrogenase enzyme polymorphism, association development, *iCoelopa frigida* 632.
 alcohol dehydrogenase enzyme polymorphism, heat stability, *Drosophila melanogaster* 2163.
 alcohol dehydrogenase enzyme polymorphism, selection, *Drosophila melanogaster* 2193.
 alcohol dehydrogenase enzyme polymorphism, mating advantages, *Drosophila melanogaster* 3156.
 alcohol dehydrogenase enzyme polymorphism, *Coelopa frigida* 4951.
 alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 8869, 8889.
 aliphatic alcohols metabolism, *Drosophila* 1672.
 allozymes, mutation rates, *Drosophila melanogaster* 630.
 aminopeptidase (cytosol), development *Drosophila melanogaster* 5310.
 aminopeptidase (cytosol), diets effects on, *Drosophila melanogaster* 5297.
 AMP (cyclic) phosphodiesterase, learning, behavioural genetics, *Drosophila melanogaster* 5727.
 α -amylase, inhibitors, *Tenebrio molitor* 255.
 amylase, ontogeny, *Drosophila immigrans* 3515.
 amylase, secretion, gut, *Bombyx mori* 2582.
 amylase activity, haemolymph, development, *Bombyx mori* 1677.
 amylase activity, *Tribolium confusum* 5295.
 amylase enzyme polymorphism, association-chromosomes inversions, *Drosophila* 2169.
 amylase enzyme polymorphism, *Drosophila persimilis* 4937.
 α -amylase enzyme polymorphism, population genetics, *Drosophila* 2191.
 amylase/invertase activity, development/reproduction, *Dysdercus koenigii* 2577.
 apyrase, saliva *Rhodnius prolixus* 4478.
 aromatic-L-amino-acid decarboxylase inhibitors, toxicity, *Lucilia cuprina* 1599, 1766.
 aromatic-L-amino-acid decarboxylase, characterization, *Aedes aegypti* 4426.
 ATPase (Ca dependent), DDT resistance, *Blattella germanica* 4509.
 ATPase (Mg dependent) activity, Malpighian tubules, *Locusta migratoria* 5302.
 ATPase (Na + K activated), characterization, *Chironomus thummi* 257.
 ATPase (Na + K activated), characterization, *Amblyomma hebraeum* 2591.
 ATPase (Na + K activated), localization, midgut/hindgut, *Giosina morsitans* / *Sarcophaga nodosa* / *Bombyx mori* 9.
 ATPase (Na + K activated) activity, nerves, *Manduca sexta* 3477.
 biochemistry, development, *Zaprionus parvittiger* 6793.
 bioluminescence, Lampyridae 2638.
 camphechlor effects on adenosinetriphosphatase activity, plasma membranes, *Periplaneta americana* 1012.
 carbonate dehydratase, localization, Malpighian tubules, *Culex pipiens* 6788.
 carboxylesterase, characterization, *Halicta caerulea* 4427.
 carboxylesterase, role mating, *Drosophila melanogaster* 1058.
 catechol oxidase, *Musca domestica* 7506.
 chitin synthase, characterization 4402.
 chitin synthase, inhibition, *Tribolium castaneum* 1668.
 choline acetyltransferase, mutation, *Drosophila melanogaster* 1325.
 cholinesterase, activity, insecticides metabolism, *Anterhaea pernyi* / *Blepharipa tibialis* 9218.
 cholinesterase activity, nerves, *Periplaneta americana* 4357.
 cholinesterases/esterases activity, *Triatoma infestans* 7492.
 3':5'-cyclic-AMP phosphodiesterase/3':5'-cyclic-nucleotide phosphodiesterase, *Drosophila melanogaster* 3535.
 3':5'-cyclic-nucleotide phosphodiesterase, *Drosophila melanogaster* 8399.
 3':5'-cyclic-nucleotide phosphodiesterase, purification/characterization, *Drosophila melanogaster* 1683.
 cytochrome c oxidase activity, phosphine effects on, mitochondria, *Rhyzopertha dominica* 966.
 denervation effects on, flight muscle, *Locusta migratoria* 3463.
 deoxyribonuclease, venom, *Vespa orientalis* 6834.
 deoxyribonuclease I sensitivity, heat shock genes, *Drosophila melanogaster* 591.
 digestion, inhibitors, *Stomoxys calcitrans* 6783.
 digestive enzymes, mycophagy, Coleoptera 6782.
 digestive enzymes, role peritrophic membrane, *Rhynchosciara americana* 8392.
 divergence, evolutionary genetics, *Ostrinia nubilalis* 6445.
 DNA polymerase α , *Drosophila melanogaster* embryos 2126.
 enzyme polymorphism, Aphididae 8871.
 enzyme polymorphism, clones *Acyrtosiphon pisum* 8875.
 enzyme polymorphism, *Drosophila* 4964.
 enzyme polymorphism, genotype-environment interactions, *Gerris lacustris* 7162.
 enzyme polymorphism, insecticides resistance, *Drosophila melanogaster* 8870.
 enzyme polymorphism, *Lutzomyia umbratilis* 3125.
 enzyme polymorphism, population genetics, *Gerris* 646.
 enzyme polymorphism, population genetics, *Drosophila* 2164.
 enzyme polymorphism, population genetics, *Chironomus stigmatensis* 2192.
 enzyme polymorphism, population genetics, *Yponomeuta cagnagellus* 4953.
 enzyme polymorphism, population genetics, *Drosophila subobscura* 4957.
 enzyme polymorphism, population genetics, *Armadillidium vulgare* 4962.
 enzyme polymorphism, population genetics, *Drosophila melanogaster* 6454.
 enzyme polymorphism, selection, models, *Drosophila* 3157.
 enzyme polymorphism heritability, *Yponomeuta cagnagellus* 8795.

Enzymes.(continued)

- enzyme polymorphism heritability, *Yponomeuta* hybrids 8880.
- oxipoxide hydrolase, *Tribolium castaneum* 9205.
- oxipoxide hydrolase, *Spodoptera eridania* 8416.
- oxipoxide hydrolase activity, *Spodoptera eridania* 5313.
- sterase, diets effects on, *Myzus persicae* 6799.
- sterase, eggs, *Myzus persicae* 9348.
- sterase, enzyme polymorphism, *Aedes aegypti* 644.
- sterase, enzyme polymorphism, *Zapronus paravittiger* 3155.
- sterase, gene mapping, *Anopheles albanus* 9668.
- sterase, midgut, *Pseudaletia unipuncta* 234.
- sterase, nerves, moulting, *Bombyx mori* 9163.
- sterase, p-nitrophenylacetate hydrolysis, *Culex tarsalis* 7505.
- sterase, reproduction, *Drosophila melanogaster* 8550.
- sterase, resistance, *Culex quinquefasciatus* 6866.
- sterase, sex, *Philosamia ricini* 3540.
- sterase activity, insecticides metabolism, *Triatoma infestans* 9207.
- sterase enzyme polymorphism, *Drosophila melanogaster* 2168.
- sterase enzyme polymorphism, ecological genetics, *Drosophila* 8865.
- sterase enzyme polymorphism, pesticide resistance, *Culex* 8309.
- sterase genes, *Drosophila montana* 1290.
- sterase polymorphism, *Drosophila* 4938.
- sterase role pesticide resistance, *Culex quinquefasciatus* 2135.
- sterases, cold/glycerol effects on, haemolymph, *Galleria mellonella* 1674.
- thanolamine kinase, *Culex pipiens* 7498.
- t body, sex differences, *Philosamia ricini* 6818.
- ty-acid synthetase, *Ceratitis capitata* 7499.
- avoprotein-linked monooxygenase, role pesticide resistance, *Plodia interpunctella* 1780.
- avoprotein-linked monooxygenase/glutathione transferase activity, pesticide resistance, *Heliothis virescens* larvae 256.
- avoprotein-linked monooxygenase induction, insecticides, *Musca domestica* 960.
- ght muscle, *Locusta migratoria* 6042.
- D-fructofuranosidase, activity, diets effects on, *Dysdercus cingulatus* 6800.
- D-fructofuranosidase, midgut, role salivary gland, *Periplaneta americana* 9191.
- D-fructofuranosidase/proteinase, median neurosecretory cells regulation, *Dysdercus cingulatus* 3506.
- actose-bisphosphate aldolase, conformation, stability, *Ceratitis capitata* 8401.
- actose-bisphosphate aldolase characterization, *Schistocerca gregaria* 5306.
- ands, *Apotrigona nebulata* 2624.
- ucosamine metabolism, *Drosophila virilis* 4411.
- ucose-6-phosphate dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 4965.
- ucose-6-phosphate dehydrogenase/isoenzymes, *Drosophila melanogaster* 6803.
- ucose-6-phosphate dehydrogenase/phosphogluconate dehydrogenase, purification/characterization, *Drosophila melanogaster* 2167.
- D-glucosidase, gut *Coptotermes lacteus* / *Nasutitermes utitermes* 6036.
- glucosidase, purification/characterization, *Apis mellifera* 963.
- lycerol-3-phosphate dehydrogenase (NAD⁺), enzyme polymorphism, *Drosophilidae* 650.
- lycerol-3-phosphate dehydrogenase (NAD⁺), isoenzymes, *Culex pipiens* 8855.
- α-glycerophosphate/alcohol dehydrogenase-enzyme polymorphism, *Drosophila melanogaster* 8866.
- glycogen phosphorylase activation, fat body, hormones, *Locusta migratoria* 8397.
- glycosidase/phosphatase activity, ecdysones metabolism, *Stomoxys calcitrans* 7494.
- guanylate cyclase, fat body, *Bombyx mori* 8419.
- gut, *Rhynchosciara americana* 3498.
- haemolysin activity, *Stomoxys calcitrans* 3525.
- hexokinase characterization, *Schistocerca gregaria* 5315.
- hexokinase enzyme polymorphism, *Culex pipiens* 4936.
- hexokinase/phosphoglucomutase, genes, *Anopheles albanus* 8800.
- hyaluronidase, venom, *Apis mellifera* 6813.
- imaginal discs aldehyde oxidase patterns, homeotic mutant, *Drosophila melanogaster* 7938.
- immunology, *Tenebrio molitor* 4401.
- isoenzymes, *Triatoma infestans* 1684.
- juvenile hormones-analogues esterase, determination, methodology, *Insecta* 1546.
- juvenile hormones esterase, *Galleria mellonella* / *Tenebrio molitor* 1685.
- juvenile hormones esterase, *Galleria mellonella* 4557.
- juvenile hormones esterase, haemolymph *Trichoplusia ni* 2744.
- juvenile hormones esterase, inhibitors, *Musca domestica* / *Tenebrio molitor* / *Trichoplusia ni* 8400.
- juvenile hormones esterase, regulation, *Trichoplusia ni* 7535.
- juvenile hormones esterase, *Trichoplusia ni* 4569.
- juvenile hormones esterase activity, development, *Galleria mellonella* 3642.
- juvenile hormones esterase activity, metamorphosis, *Galleria mellonella* 3662.
- kynureninase, metamorphosis *Bombyx mori* 5307.
- kynurenine 3-monooxygenase, eggs/ovary *Ephestia kuehniella* 8424.
- lactate dehydrogenase, anoxia effects on, *Manduca sexta* 5256.
- lactate dehydrogenase, enzyme polymorphism, *Drosophila melanogaster* 9693.
- lipases, activity, ageing, *Zapronus paravittiger* 3612.
- luciferase, *Luciola mingrelia* 3571.
- luciferase inactivation, *Luciola mingrelia* 277.
- luciferase inhibition, *Luciola mingrelia* 7541.
- lysozyme role immunology, *Galleria mellonella* 245.
- malate dehydrogenase, sulphur dioxide effects on, *Aphis fabae* 7086.
- malate dehydrogenase enzyme polymorphism, compensation/dominance, *Drosophila pseudoobscura* 2166.
- midgut hydrolases, *Rhynchosciara americana* 2585.
- monophenol monooxygenase, purification/characterization, *Musca domestica* 259.
- monophenol monooxygenase activity, black cells mutant, *Drosophila melanogaster* 1326.
- muscles, *Periplaneta americana* 6007.
- oxidases activity, midgut/fat body, *Spodoptera eridania* larvae 3533.
- peroxidase, chorion cross-linking, *Drosophila* 9344.
- phenoloxidase, cuticle, *Calliphora vicina* larvae 6747.
- phenyloxidase, salivary gland secretion, *Exeristes roborator* 6074.
- phosphatase, activity, development, *Drosophila rajasekari* 6798.
- phosphatase, enzyme polymorphism, *Drosophila* 7971.

Enzymes, (continued)

- phosphoglucumutase, enzyme polymorphism, *Anopheles culicifacies* 7170.
- phosphoglucumutase enzyme polymorphism, *Drosophila melanogaster* 4932.
- phosphoglucumutase enzyme polymorphism, *Toxorhynchites splendens* 2165.
- phosphoglucumutase dehydrogenase, molecular weight/enzyme kinetics, *Drosophila melanogaster* 1688.
- phospholipase A₂, venom, *Vespa orientalis* 6808.
- protease, midgut, *Leucophaea maderae* 5290.
- protein kinase, venom, *Latrodectus trefdesingutatus* 7566.
- proteinase, characterization, *Spodoptera litura* 5312.
- proteinase, gut, activity, methodology 8296.
- proteinase activity, midgut, *Rhodnius prolixus* 4407.
- proteinase inhibitors, midgut, *Glossina morsitans morsitans* 953.
- proteinase inhibitors, *Stomoxys calcitrans* 7489.
- pyridoxal oxidase, *Drosophila melanogaster* 4072.
- pyridoxal oxidase, mutants, *Drosophila melanogaster* 4071.
- pyruvate dehydrogenase, fat body *Manduca sexta* 5316.
- reproductive status effects on, *Aedes aegypti* 3661.
- ribonuclease, fat body, pupation, *Sarcophaga peregrina* 7491.
- RNA polymerase, *Heliothis zea* 4418.
- RNA polymerase III, characterization, *Drosophila hydei* 4073.
- serine proteinase isolation, *Hypoderma lineatum* 6805.
- transacylases, microsomes, *Galleria mellonella* 2584.
- trehalase, cocoons *Bombyx mori* 244.
- trehalase, diapause hormones effects on, *Bombyx mori* 7595.
- a,a-trehalase, trehalose hydrolysis, *Sarcophaga barbata* 967.
- a,a-trehalase activity, *Aphis citricola* 2578.
- a,a-trehalase purification/characterization, *Melolontha vulgaris* 3538.
- trypsin, endocrine system effects on, *Aedes aegypti* 3501.
- xanthine dehydrogenase enzyme polymorphism, *Drosophila pseudoobscura* 8890.
- Eoanthidium**,
new species, Yemen, People's Dem. Rep. 5175.
- Eocatops**,
new species, Sweden 7267.
- Eocorona**,
new genus, fossils, Australia 6673.
- Eocoronidae**,
new family 6673.
- Eoscorpis inflatus**,
taxonomy 2296.
- Eosentomidae**,
ecology 4852.
new species, Gabon/Nigeria 149.
new species/new records, Seychelles 2440.
- Eosentomon**,
new species/new records, Gabon/Nigeria 149.
new species/new records, Seychelles 2440.
population structure, soil, forests 4852.
- Eotetranychus**,
new species/new records, China, People's Rep. 15.
- Eotetranychus hicoriae**,
development/oviposition, environmental factors 7614.
- Eotetranychus uncutus**,
population dynamics, environmental effects, India Varanasi 3882.
- Eotetranychus willamettei**,
biological control 2662.
- Eotmethis**,
new species, China, People's Rep. 7400.
- Epeorus**,
new species, Nepal 5905.
- Epermenia**,
distribution, Austria 9735.
- Epermeniidae**,
distribution, Austria 9735.
new species, Costa Rica 116.
taxonomy/review, Iberian Peninsula 848.
- Ephedrus**,
parasitism *Macrosiphum rosae* 6297.
- Ephedrus cerasicola**,
biological control *Myzus persicae* 5709.
- Ephedrus plagiator**,
biological control *Acyrtosiphon*, New Zealand 3972.
- Ephemera**,
taxonomy Ephemeroptera 8207.
- Ephemera danica**,
corpora allata 6071.
corpora cardiaca histology/ultrastructure 1723.
- Ephemerella**,
new species, USSR 4243.
- Ephemerella berneri**,
morphology 8345.
- Ephemerella dorothea**,
development, water temperature effects on 4863.
populations, secondary production, mathematical models 2111.
- Ephemerella ignita**,
development/phenology, pollution effects 3998.
- Ephemerella inermis**,
larvae, predatory behaviour 6213.
- Ephemerellidae**,
development 4863.
ecology 3998.
morphology 8345, 9139.
new species, USSR 4243.
populations 2111.
predation 6213.
- Ephemeridae**,
glands 1723, 6071.
immature stages 8330.
pathology 2651.
- Ephemeroptera**,
behaviour 400.
check lists, Finland 8035.
check lists/habitats, Italy Adige R. 5008.
check lists/new records, Albania 9730.
communities 8789.
ecology 5722, 9656.
eggs 6737.
fossils, Permian, USA Oklahoma 3295.
larvae filter feeders, ecology, review 1276.
life cycles 2118.
life cycles/ecology, Coquet R., British Isles Northumberland 1280.
nontarget organisms, pollution effects carbaryl, streams, USA Maine 1281.
pollution indicators 9658.
populations 6385.
predation 5724.
- Ephestia**,
hatching, carbon dioxide/nitrogen effects on 1803.
oocytes degeneration 4559.
- Ephestia cautella**,
biological control 1222, 3074.
diapause, environmental factors 6128.
diapause induction, genotype-environment interactions 2709.

***Phaenicia cautella*, (continued)**

embryogenesis, anoxia/phosphine effects on 6901.
 genetic control 3089.
 larvae, toxicity *Bacillus thuringiensis* toxins 7569.
 adult histopathology, *Bacillus thuringiensis* 7549.
 oviposition behaviour 1061.
 parasitism, mathematical models 6233.
 radiation (γ) effects on fertility/sex ratios 1041.
 susceptibility chitin inhibitors 1049.
 toxicity *Bacillus thuringiensis* 1753.
***Phaenicia depressella*,**
 larvae, gut, pH 2573.
 larvae, gut amino acids 2569.
***Phaenicia elutella*,**
 entomology/chemical control, warehouses 5702.
 toxicity methyl bromide 8471.
***Phaenicia kuehniella*,**
 cocoons spinning, sensory stimuli/hormones 6189.
 growth regulators/antifeedants, *Azadirachta indica* plant
 extracts 2720.
 nurene 3-monooxygenase, eggs/ovary 8424.
 larvae, coloration, metamorphosis 981.
 mating behaviour 6170.
 embryogenesis 8540,8549.
 parasitism 3762.
 gene, maternal inheritance 4881.
 tissues, ultrastructure 7584.
***Phaenicia cinerea*,**
 development, food availability effects on 3832.
 populations, ecology, Great Salt Lake, USA 1279.
***Phaenicia riparia*,**
 alveolar tubules, ultrastructure/function 5294.
Phoridae,
 biology 1279, 3832.
 mature stages/life cycles 9382.
 alveolar tubules 5294.
 new records, Czechoslovakia 8028.
 new records, USA Georgia 715.
 new species, Greece/Tunisia/Yugoslavia 8175.
 new species, Italy 3351.
 new species, Maldives Is. 6611.
 new species, Neotropical Region 4236.
 new species, USA 801, 6612.
 radiation 8679.
 taxonomy 795, 3352, 4234, 4235, 4237.
Phoridae,
 division, Neotropical Region 4236.
***Phaenicia blema*,**
 new species, USA 866.
***Phaenicia cynosbatella*,**
 biology/morphology 3723.
***Phaenicia minutana*,**
 taxonomy 866.
***Phaenicia tetragonana*,**
 first record, Sweden 1392.
***Phaenicia cauta*,**
 behaviour/taxonomy/ecology 6186.
 hosts, livestock 6319.
***Phaenicia lemniscata*,**
 ecology, horses/sheep 299.
***Phaenicia segmenta*,**
 host species, book 6539.
***Phaenicia cephalo*,**
 new species, Nigeria 117.

***Epicharis zonata*,**
 life cycles/nests 9428.

***Epichoristodes acerbella*,**
 new records, British Isles London 660.
 sex pheromone 6048.

***Epidemia dorcas*,**
 new records, Canada 7228.

Epidemiology,
 see also Diseases

***Epinecyrus*,**
 taxonomy 98.

***Eplerus comptus*,**
 fungi infection 289.

***Epignoma*,**
 new species, Uganda 5922.

***Epigomphus*,**
 new species, Guatemala 2439.
 new species, Mexico 7396.

***Epijana*,**
 new species, Ethiopian Region 5186.

***Epilachna chrysomelina*,**
 feeding activity, diel variations/seasonal variations 9385.
 metabolism, overwintering 6796.

***Epilachna tredecimnotata*,**
 feeding deterrents, *Cucurbita moschata* plant chemicals
 1939.

***Epilachna varivestis*,**
 feeding, methodology 2452.
 feeding/oviposition 5524.
 growth regulators/antifeedants, *Azadirachta indica* plant
 extracts 2720.

parasitism, mathematical models 2842.
 pathology, fungi infection 996.

***Epilachna vigintioctopunctata*,**
 food selection, *Solanum melongena* plant chemicals 2871.
 pest resistance *Solanum melongena* 474.
 photoperiod sensitivity/juvenile hormones effects on larvae
 1831.

***Epilampra trmleri*,**
 energy/nutrient balance, tropical rain forests 1177.

***Epilohmannia pacifica*,**
 first record, USSR 9.

***Epilohmannia pallida*,**
 new subspecies, India 3274.

***Epimyrma*,**
 new records, France 8038.

***Epinoorda*,**
 taxonomy 863.

***Epinotia*,**
 new species, Canada/USA 8282.

***Epinotia aciculana*,**
 spatial distribution, mathematical models 8659.

***Epinotia aporema*,**
 population dynamics/pest status, *Glycine max*, Brazil 574.

***Epinotia minutana*,**
 first record, Sweden 706.

***Epinotia tedella*,**
 parasitism, time/spatial distribution relationship 4667.

***Epipemphigus imaicus*,**
 chromosomes 8820.

***Epiphileurus*,**
 new species, Cuba 3326.

***Epiphyas postvittana*,**
 demography, geographical variations, southeast Australia
 1990.

integrated control 3058.
 parasitism 6232, 6976, 8617.

***Epiphyas postvittana*, (continued)**

population dynamics, systems ecology 8674.
 resistance nuclear polyhedrosis virus infection 3587.
Epipyropidae,
 new records USA Illinois 720.
Epipyrops barberiana,
 first record, USA Illinois 720.
Epirrita,
 ecology/phenology 4748.
Episteira,
 taxonomy 1518.
Epistrophe,
 taxonomy 9052.
Episyron,
 revision/new species, Sri Lanka 839.
 taxonomy 5178.
Episyron arrogans,
 cleptoparasitism 4668.
Epürimerus,
 new species, USSR 2275.
Epürix hirtipennis,
 abundance, host plants nutrition effects on 1133.
 chemical control 6372.
 cultural control 5672.
EPN,
 pesticide resistance, *Plutella xylostella* 570.
Epsilon,
 mating behaviour/competitive behaviour 2753.
Epuraea,
 new species, China, People's Rep. 5835.
 taxonomy 1457.
 taxonomy/new species, Ethiopia 5104.
Epyris eriogoni,
 nesting behaviour 7706.
Equipment,
 apiculture 167.
 artificial nests, Formicidae 8301.
 attractants, mating disruption, *Heliothis zea* 4837.
 baits, Rhinotermitidae 7410.
 cages 8313.
 electrical stimulation, Lepidoptera larvae 886.
 electroantennograms 5230.
 emergence traps, Culicidae 3416.
 emergence traps, *Diabrotica* 172.
 exposure air pollution, Insecta 163.
 feeding Siphonaptera 3427.
 flight behaviour, *Spodoptera exempta* 887.
 insecticides applications, control *Haematobia irritans* /
Musca autumnalis 5638.
 light traps 1560, 1561, 2453.
 light traps, Insecta 876, 6710.
 light traps, Tipulidae 6717.
 locomotion, *Musca domestica* 7458.
 Malaise traps, bibliography 8302.
 mass rearing, *Diatraea grandiosella* 9121.
 McPhail traps, population studies *Dacus oleae* 6355.
 measuring techniques, fecundity *Coccus hesperidum* 872.
 measuring techniques, locomotor activity, *Anthonomus grandis* 9113.
 nests, observation methods/rearing *Bombus* 169.
 nests, rearing *Solenopsis* 3434.
 nets, collection Insecta, trees 173.
 olfactometers, Diptera/Lepidoptera 5987.
 orientation walking, *Cicindela* 367.
 pest control, insecticides 1221.
 pheromone trap, *Popillia japonica* 5233.
 pheromone traps, *Adoxophyes* 6720.

pheromone traps, *Anthonomus grandis* 1556.
 pheromone traps, behaviour, *Pectinophora gossypiella* 8759.
 pheromone traps, *Choristoneura fumiferana* 9235.
 pheromone traps, control *Spodoptera litura* 7102.
 pheromone traps, *Gnathotrichus retusus* 4443.
 pheromone traps, *Heliothis armigera* 9432.
 pheromone traps, *Phthorimaea operculella* 6361.
 pheromone traps, *Sparganothis* 4459.
 pheromone traps, *Spodoptera litura* 6709.
 pheromone traps, *Trypodendron lineatum* 9239.
 pheromones bioassays, Lepidoptera 1559.
 pitfall traps, *Calosoma frigidum* 179.
 rearing, *Anthonomus grandis* 9119.
 rearing, artificial diets, Insecta 4321.
 rearing chambers 5977.
 rearing parasites 7419.
 sampling, *Delia coarctata* eggs 2449.
 sampling, *Trypodendron retusum* 7412.
 sampling *Solenopsis invicta* 2447.
 sound production analysis, *Gryllus bimaculatus* 159.
 sprays, infestations *Heliothis zea* eggs; *Lycopersicon* 2456.
 sweep nets 5238.
 sweep nets, sampling 4738.
 traps, *Amblychila cylindriciformis* 7427.
 traps, Aphididae 5971.
 traps, Coleoptera 2467.
 traps, *Culex tarsalis* 3430.
 traps, Diptera 5985.
 traps, dung Acari/Coleoptera 7430.
 traps, efficiency, *Glossina* 5229.
 traps, *Glossina pallidipes* 7414.
 traps, invertebrates, snow 2455.
 traps, sampling *Culicoides variipennis* 9115.
 traps, *Scirtothrips citri* 7429.
 traps, Simuliidae larvae 8318.
 traps, soil Coleoptera 9127.
 washing sticky traps 873.
 window traps, Leioididae 8305.
Erannis defoliaria,
 melanism 9709.
Eratophyes aleatrix,
 new records, Netherlands 2237.
Erebia,
 abundance/distribution, annual variations, Fenno-Scandia
 8920.
 new records, Italy Alps West 694.
 taxonomy 7387.
Erebia euryale,
 new records, Spain Navarra 3233.
Erebia phegea,
 taxonomy 6678.
Erebia pronoe,
 new records/geographical distribution, Italy 695.
Eremaeus,
 new species, Tunisia 2282.
Eremioscelio,
 new species, Mongolia, People's Rep. 4275.
Eretes sticticus,
 flight diel periodicity, environmental effects 1154.
Eretmapodites,
 bionomics 1161.
 habitat utilization, seasonal variations 8670.
Eretmocerus,
 new species/new records, India 7351.
Eretmocerus mundus,
 parasitism *Bemisia tabaci* 2073.

- Eretris**,
new species, Costa Rica 5205.
- Ereynetes**,
new species, Philippines 8.
- Ereynetidae**,
new species, Philippines 8.
- Eriaporinae**,
revision 6654.
- Ericryphalus tetricus**,
taxonomy 4181.
- Eridontomerus**,
new species, Germany, Fed. Rep. 6650.
- Erigone**,
taxonomy/new records, British Isles 7996.
- Erigone prominens**,
new records, Ivory Coast 5067.
- Erigonidae**,
new species, Ivory Coast 5067.
- Erigoninae**,
phenology 1086.
- Erinnys ello**,
population levels, predation effects on 7002.
- Eriocampidea**,
new species/new records, Mexico 8256.
- Eriococcidae**,
defence 402.
- Eriococcidae**,
natural enemies 5599.
- Eriococcidae**,
populations 5575.
- Eriococcidae**,
traps 2458.
- Eriococcidae**,
vector-borne diseases 1940, 3797.
- Eriocrania**,
pest status, *Betula pubescens* forests 8761.
- Eriocraniella**,
prey Formicidae/mortality 418.
- Eriocraniidae**,
pests 8761.
- Eriocraniidae**,
predation 418.
- Eriophora**,
taxonomy/geographical distribution, Australia 6556.
- Eriophyes**,
new species, fossils, Hungary 4153.
- Eriophyes**,
new species, India 3272.
- Eriophyes ficus**,
first record, Japan 4993.
- Eriophyes guerrieronis**,
natural enemies 7899.
- Eriophyes medicaginis**,
damage, *Trifolium* 3967.
- Eriophyes medicaginis**,
pest resistance *Medicago sativa* 8638.
- Eriophyes medicaginis**,
pest status, *Medicago sativa* 9614.
- Eriophyes tulipae**,
pest resistance *Triticum* 1943.
- Eriophyidae**,
chemical control 540.
- Eriophyidae**,
functional morphology mouthparts 1657.
- Eriophyidae**,
infestations 9463.
- Eriophyidae**,
natural enemies 7899.
- Eriophyidae**,
new records, Japan 4993.
- Eriophyidae**,
new species, Egypt, Arab Rep. 6546, 7245.
- Eriophyidae**,
new species, fossils, Hungary 4153.
- Eriophyidae**,
new species, India 3272, 6547, 7244, 8096.
- Eriophyidae**,
new species, USSR 2275.
- Eriophyidae**,
pest resistance *Medicago sativa* 8638.
- Eriophyidae**,
pest resistance *Triticum* 1943.
- pests 542, 9590, 9614.
- populations 5621.
- Eriosoma kashmiricum**,
taxonomy 9067.
- Eriosoma lanigerum**,
chemical control 2063.
- Eriosoma lanigerum**,
pest resistance *Malus* 8776.
- Eristalinus aeneus**,
overwintering, Netherlands 383.
- Eristalis arbustorum**,
sexual dimorphism coloration, mimicry 8864.
- Ero**,
taxonomy 5070.
- Erodus**,
taxonomy 4218.
- Erorra**,
revision/new species, Mexico 5192.
- Erotylidae**,
isolation Laboulbeniales 3758.
- Erotylidae**,
new records, Canada Quebec 1402.
- Erotylidae**,
new records, Italy 6504.
- Erotylidae**,
taxonomy 785.
- Erynnis lucilius**,
first record, USA Kentucky 2252.
- Erythraeidae**,
parasitism 4671.
- Erythrites**,
parasitism *Corynephoris* 4671.
- Erythrodiplax berenice**,
osmoregulation, salinity effects 6063.
- Erythroneura heptapotamica**,
taxonomy 8231.
- Erythroneura vinealis**,
infestations, fruits, Pakistan 9470.
- Esalquinus**,
new genus, Brazil 5911.
- Esemephe**,
new genus/new records, America 8166.
- Esperanza texana**,
first record, USA Georgia/Mississippi/South Carolina 4144.
- Essigella pini**,
chemical control 3041.
- Esthiopteridae**,
teratology 2493.
- Estigmene acrea**,
infection, *Autographa californica* nuclear polyhedrosis virus 5361.
- Estigmene congrua**,
taste aversion learning 5466.
- Estola**,
new species, Brazil 775.
- Estoloderces**,
taxonomy 771.
- Ethemon lepidum**,
immature stages/biology 890.
- Ethiopia**,
new species Nitidulidae 5104.
- Ethiopian Region**,
check lists Clytrinae 8130.
- Ethiopian Region**,
deserts, Isoptera fauna 3244.
- Ethiopian Region**,
distribution *Zapronus vittiger* 9041.
- Ethiopian Region**,
eggs Ephemeroptera 6737.
- Ethiopian Region**,
first record *Coniopteryx borealis* 5957.
- Ethiopian Region**,
geographical distribution *Lethocerus* 5908.
- Ethiopian Region**,
geographical distribution/phylogeny Siagoninae 1399.
- Ethiopian Region**,
geographical distribution *Pseudoneptis* 5952.
- Ethiopian Region**,
new records Thomisidae 4175.

Ethiopian Region.(continued)

new species Agaonidae 6651.
 new species Anthicidae 6564.
 new species Asilidae 3339.
 new species *Aslauga* 5949.
 new species Carabidae 5081, 5082.
 new species/check lists Staphylinidae 5116.
 new species Cheyletidae 5051, 5052.
 new species Chrysomelidae 5088.
 new species Cicadellidae 5145, 8237.
 new species Cicadidae 5149, 5909.
 new species Cunaxidae 7241.
 new species Dermaptera 8172.
 new species Dytiscidae 5096.
 new species Eupterotidae 5186.
 new species Milichiidae 7313.
 new species Miridae 5138.
 new species/new records Ctenidae 6557.
 new species/new records Lonchaeidae 9048.
 new species/new records Megachilidae 5935.
 new species/new records Thomisidae 4174.
 new species/new records Tingidae 5141.
 new species Nitidulidae 5103.
 new species Pentatomidae 5139.
 new species Psocidae/Peripsocidae 2441.
 new species Scarabaeidae 4208.
 new species Staphylinidae 5115, 6592.
 new species Tenebrionidae 4216.
 new species Tephritidae 4242.
 new species Tettigoniidae 6693.
 new subspecies Carabidae 5085.
 new subspecies Cicindelidae 5091.
 new subspecies Nymphalidae 5955.
 revision *Ctenus* 5066.
 revision Eucinetidae 6577.
 revision *Gromierus* 9064.
 revision *Lissocephala* 800.
 revision *Oedaleus* 8288.
 revision Surinamellini 83.
 revision *Terellia* 3360.
 revision *Tetramorium* 2405.
Ethmia,
 new records, Austria 8043.
 new species, USSR 7372.
Ethmiidae,
 new records, Austria 8043.
 new species, USSR 7372.
Ethology,
 see **Behaviour**
Ethyl methanesulphonate,
Drosophila melanogaster, mutagenesis 2707.
Ethylurea,
 effects on oogenesis, *Habrobracon* 4541.
Euaestella,
 new species, Israel 8203.
Euaspsis,
 revision 5936.
Eublabeus posticus,
 gut, microflora 8393.
Euborellia moesta,
 predatory behaviour 6944.
Eubrachium pusillum,
 fungi infection 289.
Eucallipterus tiliae,
 fecundity, seasonal variations 4650.
 predation 4742.
Eucalymnatus tessellatus,
 taxonomy 9070.

Eucelatoria,
 attractants 1137.
 parasitism *Heliothis virescens* 7734.
Euceraphis punctipennis,
 fecundity, seasonal variations 4650.
Eucerotettix,
 new genus, Brazil 1529.
Euchistus heros,
 larvae 6740.
Euchloe tagis,
 first record, Italy 696.
Euchorthippus pulvinatus,
 chromosomes pairing 7143.
Euchrysops cnejus,
 pest status, *Cajanus cajan*, India Uttar Pradesh 3096.
Eucinetidae,
 new species, Japan 7283.
 new species/revision, Ethiopian Region 6577.
Eucinetus,
 new species/revision, Ethiopian Region 6577.
Euclasta,
 new species, Spain 7386.
Eucnemidae,
 new records, Sweden 672.
 new species/new records, Japan 7284.
Eucoilidae,
 alcohol resistance 9457.
 taxonomy 5166.
Euconnus,
 check lists/new species, Congo, People's Rep. 5113.
 new species, India/Nepal 4210.
 new species, Ivory Coast 3330.
 new species, Yugoslavia 3297.
Eucocephalus,
 food preferences, gut adaptations 1661.
Eucosma ridingsana,
 larvae/host plants 7438.
Eucosma womonana,
 pest status, *Helianthus annuus* 4835.
Eucosoma argyrocyama,
 taxonomy 1523.
Eucosoma sonomana,
 attractants, *Pinus* host plants 3781.
 mating disruption, attractants 1252, 1253.
Eudasiphora,
 new species/revision/phylogeny, Nearctic Region 802.
Eudictoria tibialis,
 diel activity/phenology 8579.
 foraging behaviour/natural enemies 8580.
Euglossa imperialis,
 territorial behaviour 7711.
Eugnamptus collaris,
 immature stages/life cycles, *Sassafras albidum* host plants 7704.
Euhamitermes,
 new species, Bhutan 2418.
Euidopsis truncata,
 first record, Turkey 2226.
 taxonomy 5142.
Eukiefferiella,
 larvae, case construction/habitats 7716.
 new species, Norway 70.
Eukoebelia brevitaris,
 reproductive systems anatomy 2698.
Eukoeneriidae,
 new species, fossils, USA 3291.

- Eulaelaps**,
review, Australia 757.
- Eulaema**,
population structure, Costa Rica 5583.
- Eulaema meriana**,
territorial behaviour 3711.
- Eulecanium**,
taxonomy 8239, 9071.
- Euleia heraclei**,
biology/population dynamics/pest status, Spain 6202.
- Eulimnia**,
biology/immature stages/geographical distribution, New Zealand 79.
- Eulimnia philpotti**,
immature stages 79.
- Eulimnichus**,
taxonomy 8149.
- Eulophidae**,
behaviour 4584.
biological control 5704.
check lists/new species, Mongolia, People's Rep. 1511.
development 8521.
diapause 6877.
insecticides toxicity 1777.
introduced species 3031.
life cycles 9431.
new records/new species, Korea, Dem. People's Rep. 4267.
new species/new records, Canada 1512.
parasitism 406, 2842, 3255, 3760, 4733, 4765, 4809, 5549, 7894, 8743, 9074.
parasitism *Spodoptera frugiperda* 2839.
parasitism 9517.
sense organs 9185.
taxonomy 5928.
- Eumastacidae**,
meiosis 4049.
nucleic acids 4008.
reproduction 8488.
- Eumea**,
taxonomy 806.
- Eumecotarsus**,
new species, Turkey 5913.
- Eumenes**,
keys, USA 2249.
- Eumenes latreillei**,
parasitism 6973.
- Eumenidae**,
behaviour 3743.
check lists, Spain Andalusia/Extremadura 7202.
keys 2249.
mating behaviour/competitive behaviour 2753.
nectar robbing behaviour 1143.
parasitism 6973.
taxonomy/zoogeography 5167.
venom 6079.
- Eumorphia intermedia**,
taxonomy 6679.
- Eunica**,
new records, Bahama Is. 5761.
- Eunicolina tuberculata**,
morphology 6727.
- Euanthophagus**,
geographical distribution/new species, Iran/Iraq 55.
- Euphrys**,
new species, Nepal 4169.
- Eupius**,
new species, Neotropical Region 1506.
- Eupelmidae**,
parasitism 6341.
- Eupelmus urozonus**,
parasitism *Dacus oleae* 6341.
- Euphaedra**,
keys 3399, 3400.
new species, Ethiopian Region 3398.
new species, Ivory Coast 3396.
new species, Zaire 3401.
new species, Zaire/Nigeria 5953.
new subspecies, Ethiopian Region 5955.
taxonomy 5954.
- Euphoberiidae**,
taxonomy 4308.
- Eupholidoptera**,
new species, Greece 6694.
- Euphydryas**,
defence mechanisms, predation 9437.
host plants, new records 468.
- Euphydryas chalcedona**,
life cycles/population studies 4752.
- Euphydryas editha**,
evolution, populations isolation, variation 1354.
new subspecies, USA 7382.
- Euphydryas maturna**,
geographical distribution, Europe/Asia 1376.
- Euphydryas phaeton**,
defence, plant extracts sequestering 2823.
host plants, new records 3774.
new records host plants, *Plantago lanceolata* 469.
- Euphyes**,
new records, USA Kentucky 2252.
taxonomy 2429.
- Eupithecia**,
new species, China, People's Rep. 8265.
new species, Nepal 8261, 8264.
- Eupithecia cerussaria**,
first record, Europe 690.
- Eupithecia conterminata**,
first record, Switzerland 1393.
- Euplectini**,
morphology/phylogeny 1357.
- Euplectromorpha**,
new species, Mongolia, People's Rep. 1511.
- Euplectrus platyhypenae**,
parasitism *Spodoptera frugiperda* 2839.
- Euploea core**,
tracking methodology 1555.
- Eupoecilia ambiguella**,
control, pheromone traps 5676.
- Eupompha wenzeli**,
taxonomy 8150.
- Euproctis similis**,
cell culture 4338.
pest status, *Crataegus monogyna* roadsides 5616.
- Eupterote geminata**,
growth regulators, *Santalum album* plant extracts 2728.
- Eupterotegeus**,
new species, Neotropical Region 8963.
- Eupterotidae**,
growth regulators 2728.
new species, Ethiopian Region 5186.
new species, Zaire 5946, 5947.
- Eupteryx**,
coexistence/competition, *Urtica dioica* host plants 4716.
- Eupteryx atropunctata**,
feeding 4660.

- Eurema**,
new species, Brazil 129.
- Eurhodope**,
new species, Japan 130.
- Eurhopalothrix**,
new species, Fiji/Papua New Guinea 7358.
- Euricoris**,
new species, Papua New Guinea 4244.
- Euristhea obliqua**,
geographical distribution, Brazil 2060.
- Europe**,
check lists/revision *Hylaeus* 8037.
first record *Eupithecia cerussaria* 690.
first record *Melitturga clavicornis* 1375.
first record *Teloclerus compressicornis* 3200.
geographical distribution *Aphrodes bicinctus* / *Aphrodes makarovi* 2389.
geographical distribution *Arctocoris carinata* 8036.
geographical distribution/evolution *Platysma minus* 2309.
geographical distribution *Plinthus* 8137.
keys *Apanteles* 5160.
new species Aphididae 6640.
new species Chrysomelidae 8131.
new species Cynipidae 2401.
new species Micropterigidae 7380.
new species Nicoletiidae 3410.
new species Staphylinidae 2342.
new species Trichoptera 6703.
range extension *Gomphus pulchellus* 5022.
revision *Amiota* 2361.
revision *Anasimyia* 2370.
revision *Baudia* 8148.
revision *Rhomphoctona* 7359.
revision Symphyta 3371.
Scolytidae, keys, book 6535.
- Eurosta**,
biology/immature stages 376.
- Eurostus validus**,
biology/morphology 2811.
- Eurybregma**,
new species, Turkey 5142.
- Eurybregma nigrolineata**,
first record, Turkey 2226.
- Eurygaster integriceps**,
neurosecretion cells, nerves 3470.
oocytes, embryology 9307.
spermatogenesis, diapause 3678.
- Euryischomyia**,
taxonomy 6654.
- Eurymeros**,
new genus, India 3374.
- Eurypelma californicum**,
haemocyanin 1678.
haemocyanin, amino acid sequence 3526.
- Euryphantia**,
taxonomy 6647.
- Eurys**,
new species, Australia 6665.
- Eurya lineata**,
first record, Turkey 2226.
- Eurytides**,
genitalia/taxonomy 858.
- Eurytoma**,
new species, USSR 8249.
- Eurytoma brunniventris**,
parasitism, *Andricus legitimus* galls, *Quercus* 2401.
- Eurytomidae**,
host plants/pests 6369.
new records, Argentina 2253.
new species, Brazil 2404.
new species, Iraq 5930, 5931.
new species, Neotropical Region 5929.
new species, USSR 8249.
parasitism 2401.
- Euscelis**,
yolk glycoproteins, bound nucleosides 7644.
- Euscelis incisus**,
cells, fungi/bacteria symbiosis 957.
- Euschistus**,
biology 3717.
natural enemies 1906.
- Euscorpis carpathicus**,
maternal behaviour 3691.
- Euselates**,
new records, Malaya 9017.
- Eusimonia mirabilis**,
anatomy testis/spermatozoa 7582.
- Eusimulium**,
taxonomy 3358.
- Eusparassidae**,
development 5390.
- Eusphalerum**,
glands/taxonomy 5868.
- Eustrophus**,
taxonomy 6577.
- Eusystellus**,
taxonomy 2302.
- Eutectona**,
new genus 5203.
- Eutermes exitiosus**,
taxonomy 9088.
- Eutetranychus**,
new species/first record, Tetranychidae 6552.
- Eutetranychus banksi**,
pest status, El Salvador 7229.
population levels, *Citrus* varieties 9491.
- Eutetranychus orientalis**,
chemical control 3061.
population dynamics, environmental effects, India Varanasi 3882.
- Euthalia monina**,
new subspecies, Sipora I. 113.
- Euthia tenerfae**,
new records, Canary Is. 5834.
- Euthyatira**,
taxonomy 7389.
- Euthyplociidae**,
taxonomy 7325.
- Euthyrinus yakushtmanus**,
chromosomes 609.
- Euthystira brachyptera**,
chromosomes, effects on chiasma frequency 615.
- Eutrichosiphum**,
taxonomy/morphology 3366.
- Eutrioza**,
new species, Turkey 6648.
- Eutrombicula affreddenesi**,
chemical control 9559.
- Eutrombicula batatas**,
new records, USA 714.
- Eutromula**,
taxonomy 7371.

- utryxalis filata*, parasitism 2838.
- ixoa**,
 illing behaviour, temperature effects, reproductive isolation 2752.
 ight, diel activity/seasonal variations 5280.
 ipositor glands 9306.
- ixoa birivia**,
 w records, Czechoslovakia Bohemia 3219.
- ixoa messoria**,
 caloids effects on 9333.
 ecticides toxicity 2684.
 icity insecticides 6110.
- ixoa ochrogaster**,
 st status, *Vitis labrusca* 9471.
- ixoa scandens**,
 toplasmic polyhydrosis virus, infection *Lymantria dispar*
 cell lines 5356.
 thology Microsporidia 8458.
- izetes globulus**,
 spiratory quotient, environmental factors 7497.
- ergestis forficalis**,
 tural control 2074.
- olution**,
 phididae coevolution plants 2853.
 thropoda, book 3266.
 thropoda, review 4097.
 avioural genetics, mating, *Drosophila subobscura* 4585.
 avioural genetics, mating, *Drosophila melanogaster* 6437.
 stes, Isoptera 4971.
 emoreceptors mouthparts/food preferences 7174.
 omosomes, Caraboidea 8808.
 omosomes, *Chironomus* 4886.
 omosomes, Lepidoptera 2146.
 omosomes banding, evolutionary genetics, *Chironomus* 6404.
 nes coexistence/selection, parthenogenesis, *Drosophila mercatorum* 6455.
 evolution, Acari parasitism/birds 5757.
 evolution, host plants/*Battus philenor* 8630.
 evolution, Insecta/plants 2624, 7176.
 evolution *Helianthus*, Apoidea 6993.
 evolution host plants, eggs mimicry, *Heliconius* 9483.
 evolution/host specificity fauna *Opuntia* 463.
 oration, geographical variations, *Coenonympha tullia* 4974.
 oration, predation effects on, Lepidoptera 7172.
 lbulus coevolution *Zea* 3784.
 isity-dependent selection, population genetics, *Drosophila melanogaster* 7982.
 elopment temperature effects 9323.
 s distribution, Lepidoptera 1356.
 lutionary genetics, nonhistone proteins, *Drosophila melanogaster* /*Sciara coprophila* 651.
 lutionary genetics, review, *Aedes* 4042.
 lutionary genetics gene expression, *Drosophila* 4972.
 lutionary genetics sex ratios, Hymenoptera 4970.
 ding, Hemiptera 7986, 7987.
 less/adaptations, environmental stress, *Tribolium castaneum* 5751.
 ht duration, Insecta 8360.
 es, heat shock proteins, *Drosophila* 7175.
 t plants Lepidoptera, review 1139.
 t selection, Aphididae 2854.
 t specificity, Aphididae 7988.
 eritance, fecundity, *Tribolium castaneum* 4973.
 idoptera 6673.
- life cycles adaptations, Lepidoptera 5500.
 mate selection, *Drosophila* 7173.
 mate selection/reproductive isolation, Tiphidae 5455.
 mating behaviour, *Apis mellifera* 4940.
 mating behaviour, *Drosophila pseudoobscura* 9366.
 mimicry, Lepidoptera 3177.
 nesting behaviour, *Ancistrocerus tuberculocephalus* 3743.
 ocelli, *Meneus* 4372.
 oviposition host selection, *Battus philenor* 1060.
 pair bond, *Chauliognathus pennsylvanicus* 4098.
 parthenogenesis, Curculionidae 5756.
 parthenogenesis, *Warramaba virgo* 8488.
 plants coevolution Hymenoptera 3788, 3807.
 populations isolation, variation, *Euphydryas editha* 1354.
 reproductive isolation, *Anopheles* 5882.
 reproductive strategy, *Drosophila pseudoobscura* 7037.
 Rhinotermitidae, wings ultrastructure 9716.
 selection, inbreeding, *Drosophila melanogaster* 8893.
 selection, white gene-apricot gene, suppressors, *Drosophila melanogaster* 6457.
 selection morphometry, *Drosophila* 8884.
 sex differences, Ephemeroptera larvae 6739.
 sex ratios, mathematical models, parasitoids 9717.
 sex ratios, *Polistes* 7177.
 sexual selection, *Drosophila silvestris* 8894.
Silpha obscura, Palaearctic Region 2334.
 Siphonaptera coevolution *Glaucomyus volans* 1932.
 social behaviour, Vespidae, review 1270.
 social bonds, mathematical models, Hymenoptera 6456.
 social organization, mathematical models, Hymenoptera 7985.
 speciation, Araneae 5817.
 speciation, reproductive isolation, role genes, *Drosophila* 6448.
 speciation, reproductive systems, *Bambara* 7581.
 speciation, role satellite DNA, *Drosophila* 6402.
 speciation *Platysma minus* 2309.
 swarming/territorial behaviour, Insecta 354.
 sympatric populations, *Enchenopa binotata* 1355.
 taste receptors, Insecta, plant extracts effects on 972.
Tatochila 7984.
 wings, thermoregulation 5758.
Xenylla 5119.
- Evyllaes calceatus**,
 brood development, sex differences/sex ratios 8777.
 brood rearing/caste differentiation, queenless nests 2108.
- Exanthidium**,
 new species, Muscat and Oman 5175.
- Excreta**,
 see **Faeces, Excretion**
- Excretion**,
 benzoic acids, *Periplaneta americana* /*Acanthoxyla intermedia* 3520.
 diets effects on, *Glossina palpalis* 1662.
 diuresis, Lepidoptera 6032.
 ions effects on, *Glossina morsitans* 4415.
 juvenile hormones, *Locusta migratoria* 335.
 nitrogen, *Bombyx mori* 240.
 storage excretion, ions, *Musca domestica* 1714.
- Excretory systems**,
 anatomy, review 9196.
 emergence/feeding diuresis, *Danaus plexippus* 4397.
 excretion, diets effects on, *Aphis fabae* 4395.
 excretion gossypol, *Dysdercus fasciatus* 8394.

Excretory systems,(continued)

- excretion hepatitis B virus, *Cimex hemipterus* 4785.
 excretion/metabolism nitrogen, *Bombyx mori* 5301.
 excretion rates, measurement, *Tyrophagus longior* 4315.
 functional morphology, *Tetranychus urticae* 8395.
 hormones, *Locusta migratoria* 9224.
 Malpighian tubules, Insecta, review 5293.
 Malpighian tubules, localization carbonate dehydratase, *Culex pipiens* 7888.
 Malpighian tubules, ploidy, *Panstrongylus megistus* 5738.
 Malpighian tubules, ultrastructure/function, *Ephydra riparia* 5294.
 Malpighian tubules development, hormones, *Calpodes ethlius* 6160.
 Malpighian tubules secretion, *Cenocorixa bifida* 4398.
 Malpighian tubules secretion, *Locusta migratoria* 8396.
 Malpighian tubules secretion, *Musca domestica* 4396.
 storage excretion, symbionts effects on, *Blattella germanica* 8425.
 storage excretion, uric acid, *Manduca sexta* 6787.
 uric acid, *Manduca sexta* 4399, 4400.
Exeirus lateritius,
 mating behaviour 6924.
Exelastis atomosa,
 pest status, *Cajanus cajan*, India Uttar Pradesh 3096.
Exenterus abruptorius,
 host-parasite interactions, mathematical models 1115.
Exeristes roborator,
 diets, carbohydrates effects on development/lipogenesis 1659.
 nutrition, amino acids 9206.
 salivary gland secretion, phenyloxidase 6074.
Exeuthyplocia,
 taxonomy/larvae 7325.
Exochomus,
 natural enemies *Pineus pini*, Kenya 2950.
Exochonotus,
 new genus 5849.
Exomalopsis,
 revision, Nearctic Region 6653.
Exorista,
 parasitism *Jaenemus evagoras* 6964.
Exorista larvarum,
 parasitism *Lymantria dispar*, Iran 433.
Exoteleia dodecella,
 first record, Ireland 8013.
Extatosoma tiaratum,
 defensive behaviour 6210.
 immature stages/life cycles 4638.
 life cycles/diapause eggs 4619.
Eylais,
 new species, Australia 8966.
Eyprepocnemis plorans,
 supernumerary chromosomes 2145.
Eysacoris fabricii,
Melittis melissophyllum, new records host plants 6245.
Eysacoris ventralis,
 oogenesis, photoperiod/temperature effects 7606.

Faeces,

- honeydew production, measuring techniques feeding
Nilaparvata lugens 165.

Faeroe Is.,

- check lists Araneae 6463.

Fagelia,

- new species, Malagasy Rep. 4213.

Faiga,

- new genus, India 2390.

Falaglia,

- new species, Papua New Guinea 4211.

Falaglia concinna,

- first record, German Dem. Rep. 1364, 2215.

Falsetolodercus,

- taxonomy 771.

Falsetoloides,

- new species, Argentina 775.

Falsonannocerus,

- new species, Sri Lanka 1463.

Fannia canicularis,

- chemical control 3914.

Fanniidae,

- taxonomy 1468, 6601.

Farnesol,

- effects on vitellogenesis, relationship feeding, *Blaberus fuscus* 1835.

Faronus aubel,

- first record, Italy 2329.

Fat body,

- adenylate cyclase, AMP/AMP (2'-deoxy) effects on, *Bombyx mori* 951.

- age/hormones effects on metabolism, *Blaberus discoidalis* 8398.

- autologous, phagocytosis, ecdysones, *Pieris brassicae* 6134.

- biochemistry, development, *Antheraea mylitta* 6820.

- carbohydrates/glycerol levels, development, *Perillus bioculatus* 2579.

- development, diets/photoperiod effects on, *Henosepilachna* 2722.

- development/nucleic acids, metamorphosis, *Leptinotarsa decemlineata* 1689.

- flight metabolism, *Locusta migratoria* 6815.

- glucose incorporation, lipids, *Periplaneta americana* 9201.

- glycogen storage, seasonal variations, Blattodea/Orthoptera 1687.

- guanylate cyclase, *Bombyx mori* 8419.

- histochemistry, gynandromorphs, *Bombyx mori* 3542.

- histochemistry, reproduction, *Nauphoeta cinerea* 6804.

- immunochemistry, vitellogenin, *Calliphora vicina* 2597.

- implants encapsulation, haemocytes, *Drosophila melanogaster* 9209.

- lipids, *Diatraea saccharalis* 5311.

- metabolism, *Macrotermes subhyalinus* /*Nauphoeta cinerea* 2593.

- mitochondria, arginine transport, *Aldrichina grahami* 6792.

- phospholipids, *Acheta domestica* 253.

- potassium urate deposition, *deposition* 9216.

- proline biosynthesis, *Leptinotarsa decemlineata* 6812.

- proteins, *Diatraea grandiosella* larvae 958.

- proteins characterization, *Diatraea grandiosella* 1676.

- ribonuclease, pupation, *Sarcophaga peregrina* 7491.

- ultrastructure, environmental factors, *Atheta fungi* 9211.

- ultrastructure/biochemistry, Insecta 5309.

- uric acid, symbionts effects on, *Blattella germanica* 8425.

- volume/composition, age/diets effects on, *Habrobracon juglandis* 4406.

Fats,

- see **Lipids**

Fatty acids,

- acylglycerols, *Ceratitis capitata* 254.

- arachidonic acid, nutrient requirements, *Culiseta* 6033.

- arachidonic acid, nutrition, *Culex pipiens* 3500.

Fatty acids, (continued)

- rachidonic acid, reproductive systems, *Acheta domestica* / *Gryllus* 6791.
ombyx mori 8423.
 eterrents, *Myzus persicae* 7521.
 evelopment, *Apis mellifera* 6908.
 sters, toxicity, *Heliothis* / *Pectinophora gossypiella* 1755.
 0-hydroxydec-2-enoic acid secretion, *Apis mellifera* 9252.
 ymenoptera parasites 9453.
 oleic acid, ageing fluorescence, *Musca domestica* 5388.
 etabolism, *Anthonomus grandis* 1675.
 etabolism, flight muscle, *Pantala flavescens* 8354.
 etabolism, *Heliothis virescens* 8410.
 utrient requirements, *Homona coffearia* 3502.
 almitic acid metabolism, *Pieris brassicae* 7504.
 almitic acid oxidation, development, *Pieris brassicae* 9215.
 gulation acetyl-CoA carboxylase/fatty acid synthetase 261.
 uirements, development/flight, *Culex pipiens* 1660.
 racosanoic acid metabolism, *Zootermopsis angusticollis* 247.
auriella,
 xonomy/phylogeny 2444.
ecelia,
 ew species, Brazil 4247.
 ew species, Haiti 816.
ecundity,
 delina infection effects on, *Heteronychus arator* 3576.
 eige effects on, evolutionary genetics, *Drosophila melanogaster* 2196.
 eige methods, *Simulium damnosum* 1553.
 elcium phosphate effects on, *Tyrophagus putrescentiae* 1802.
 olchicine effects on, *Chrysomya megacephala* 2712.
 elphacodes campestris 3714.
 et effects on, *Sitophilus zeamais* 316.
 ets effects on, *Dacus dorsalis* 238.
 ets effects on, *Glossina palpalis* 1814.
 ets effects on, *Heteronychus arator* 3634.
 nvironmental effects, *Leptinotarsa decemlineata* 336.
 yllus integer / *Acheta domestica* 1856.
 ost plants effects on, *Empoasca kraemeri* 1882.
 sts immune status effects on, *Glossina morsitans* 440.
 easuring techniques, *Coccus hesperidum* 872.
 ezara viridula strains 3631.
 RDC-161 effects on, *Anthonomus grandis* 1756.
 ritional requirements, *Dacus oleae* 3503.
 rasitism effects on, *Stelidota geminata* 2841.
 ationship ovarioles, *Aphis fabae* 2745.
 ationship weight, *Amblyomma americanum* 3666.
 ationship weight, *Boophilus microplus* 2750.
 ninal fluid effects on, *Piophilidae casei* 1834.
 ona humeralis 3745.
 mperature effects, *Pseudaulacaspis pentagona* 325.
 mperature/humidity effects on, *Dermestes lardarius* 2732.
 ter temperature effects on, *Insecta* 3645.
eding,
 ctivity, relationship stylet sheaths, *Nezara viridula* 425.
 aptations, Formicidae larvae 7435.
 /habitats effects on, *Dermacentor reticulatus* 7724.
 mblyomma americanum damage guinea pigs 2009.
 ophelus , review 3913.
 ifeodants, fentins, *Diacrisia obliqua* 9284.
 ifeodants, *Physalis peruviana* steroids, *Spodoptera littoralis* 2884.
 imilation/growth efficiency, *Poecilocerous pictus* / *Coccinella septempunctata* 1923.
 aviaour, *Lipeurus lawrensis* 5533.
 behaviour, *Satyridae* 6964.
 biting behaviour *Simulium* , Brazil 3720.
 blood meal digestion, *Stomoxys calcitrans* 260.
 blood meals, methodology, *Culicidae* / *Reduviidae* 2461.
 blood meals/site selection, *Tabanidae* 2998.
 blood meals/sugars effects on weight, *Stomoxys calcitrans* 424.
 cadavers, first record, *Trichocera saltator* 4789.
 cannibalism, competition, *Tribolium* 3846.
 caste determination, *Apis mellifera* 3675.
Chrysopa boninensis 2787.
 circadian rhythms, *Zeiraphera diniana* 6023.
Cleobora mellyi / *Harmonia conformis* predation
Chrysophtharta bimaculata eggs 385.
Clivina impressifrons 5536.
Coffea arabica food consumption/damage, *Eacles imperialis* 3951.
 cold hardness, *Alaskozetes antarcticus* 4467.
 consumption plants, *Graphognathus* 419.
Costelytra zealandica / *Heteronychus arator* , Leguminosae phytoalexins effects on 1141.
Cryptopygus antarcticus , polar environments 5490.
Culicoides venustus 6963.
Culiseta inornata 1918.
 damage, *Brachyurothrips anomalous* 6000.
 deterrents, *Cucurbita moschata* plant chemicals, *Epilachna tredecimnotata* 1939.
 deterrents, *Sorghum bicolor* , *Peregrinus maidis* 2867.
 evelopment, *Bombyx mori* 8548.
 diel periodicity, *Potamanthus myops* 414.
 diel periodicity, *Sigara falleni* 2825.
 diel variations/seasonal variations, *Epilachna chrysomelina* 9385.
 diets effects on, *Glossina palpalis* 1662.
 diets/webs, *Hydropsyche* 7725.
 Diptera biting sheep, USA Idaho 8695.
 effects on fecundity, *Prosimulium mixtum* / *Simulium vittatum* 9574.
 effects on host searching behaviour, *Aedes aegypti* 4376.
 effects on locomotor activity, *Locusta migratoria* 4378.
 effects on neurosecretion, *Locusta migratoria* 4361.
 effects on oxygen consumption, *Bombus* 9220.
 effects on reproduction, *Glossina pallidipes* 7602.
 effects on *Rumex* seeds production, *Gastrophysa viridula* 1946.
Empoasca decipiens / *Eupteryx atropunctata* 4660.
 endocrinology, *Dysdercus cingulatus* / *Hyblaea pueria* 9194.
 environmental effects, *Semiadalia undecimnotata* larvae 1111.
 equipment, *Siphonaptera* 3427.
 evolution, *Hemiptera* 7986, 7987.
 fasting, development, *Locusta migratoria* 4522.
 feeding behaviour, chemical stimuli, *Culiseta inornata* 9439.
 feeding behaviour, circadian rhythms, *Diplonychus indicus* 2556.
 feeding behaviour, effects on blood meal antigens, *Triatoma barberi* 9190.
 feeding behaviour, *Polyrhaphis spinipennis* larvae 398.
 feeding behaviour, relationship visual preferences colour, *Tabanidae* 3724.
 feeding behaviour, *Simuliidae* larvae 2827.
 feeding behaviour *Arcynopteryx compacta* 1880.
 fertilization effects on, *Aedes aegypti* 3751.
 filter feeders ecology, *Insecta*, review 1276.
 food, *Carabidae* 4661.
 food, development, *Hypoaspis aculeifer* 6115.
 food availability effects on, *Oncopeltus fasciatus* 4389.

Feeding,(continued)

- food availability effects on development, *Cicindela repanda* 3615.
- food availability effects on dispersal, *Neivamyrmex nigrescens* 3812.
- food consumption, *Costelytra zealandica* larvae 3519.
- food consumption, crowding effects on, *Locusta migratoria* 5530.
- food consumption, host plants, *Heteronychus arator* larvae 7757.
- food consumption, isolation environmental factors, *Apis mellifera* 9440.
- food consumption, *Lymantria dispar* larvae 6961.
- food consumption, measuring techniques, Lepidoptera larvae 5981.
- food consumption, *Neodiprion sertifer* 6965.
- food consumption, *Protracheoniscus orientalis* 9441.
- food consumption, role taste, *Drosophila melanogaster* 2551.
- food consumption, *Saga natoliae* larvae 1021.
- food consumption, *Scathophaga* 4524.
- food consumption, tannic acid effects on, Acridoidea 4404.
- food consumption, *Toxorhynchites* 6190.
- food consumption, *Toxorhynchites brevipalpis* larvae 5529.
- food consumption/assimilation, development/age effects on, *Phlaeoba infumata* 1783.
- food consumption/digestion, food plants, *Heliothis armigera* 3778.
- food consumption/metabolism, parasitism effects on, *Heliothis virescens* 7734.
- food effects on metabolic rate, *Alaskozetes antarcticus* 251.
- food intake, ageing effects on, *Drosophila melanogaster* 1782.
- food particle size, *Simulium damnosum* larvae 6970.
- food plants defence mechanisms, *Potamophylax circulator* 8631.
- food preferences, carbohydrates, *Odontotermes obesus* 6060.
- food preferences, *Cloeon dipterum* larvae 3754.
- food preferences, grasslands, Coleoptera 1110.
- food preferences, gut adaptations, Orthoptera 1661.
- food preferences, *Lytogaster excavata* 9382.
- food preferences, *Neovossia indica* -infected stored products, *Rhizopertha dominica* 5552.
- food preferences, *Onychiurus fimitus* 5537.
- food preferences, *Onychiurus subtenis* 5534.
- food preferences, sugars, *Apis mellifera* 9445.
- food preferences, sugars, *Musca autumnalis* 3756.
- food preferences *Arhopalus ferus* 1922.
- food preferences/food consumption, *Melolontha melolontha* 6212.
- food quality effects on development, *Bombyx mori* 2572.
- food selection, *Epilachna vigintioctopunctata* 2871.
- food selection, methodology, *Pardosa sternalis* 9116.
- food selection, Simuliidae 6873.
- food selection, *Stictochironomus annulicrus* 8608.
- food sources, yeasts, substrate specificity, *Drosophila* 7048.
- food sources effects on quantitative inheritance, *Drosophila melanogaster* 647.
- Fucellia capensis* 9397.
- function saliva, *Aedes aegypti* 7490.
- functional morphology mouthparts, Acridoidea 8326.
- functional morphology mouthparts, Eriophyidae 1657.
- Glossina morsitans*, hosts immune status effects on 440.
- granulosis virus infection effects on, *Pericallia ricini* larvae 2643.
- Helosciomyza subalpina* 1076.
- heritability, *Aedes aegypti* 7927.
- histopathology, *Amblyomma americanum*, guinea pig 2008.
- Historis odus* 416.
- host plants, new records, *Euphydryas* 468.
- host plants effects on, *Gilpinia hercyniae* 6991.
- host plants Lepidoptera, evolution, review 1139.
- host preferences, epidemiology trypanosomiasis, Uganda, *Glossina* 1213.
- host preferences, *Glossina*, Uganda Lugala 499.
- host preferences, *Ips paraconfusus* 5559.
- host selection/pest status, annual variations, *Trirhabda* 9477.
- hosts effects on, *Amblyomma americanum* 9461.
- Hyalomma marginatum* 2816.
- Hylesia* larvae, *Lantana tiliaefolia* 395.
- Icerya seychellarum*, damage *Scaevola taccada* 2886.
- ingestion deterrents, *Nilaparvata lugens* 1113.
- intake *Onchocerca volvulus*, *Simulium ochraceum* 6959.
- juvenile hormones/oogenesis, *Schistocerca gregaria* 4566.
- La Crosse virus effects on, *Aedes triseriatus* 1191.
- larvae, Dufour's gland secretions, *Anthophora abrupta* 271.
- Leptoglossus australis* 1883.
- mandibular movements, *Mamestra brassicae* 4327.
- mandibular gland secretions effects on, *Plodia interpunctella* 987.
- measuring techniques, *Haematobia irritans* 5231.
- measuring techniques, honeydew production, *Nilaparvata lugens* 165.
- mechanisms, Culicidae 1919.
- mechanisms/mouthparts, *Calyptra eustrigata* 6969.
- methodology, *Anopheles gambiae* 5239.
- methodology, *Epilachna varivestis* 2452.
- Monosoma pulverata* 6195.
- mycophagy, *Aphaenogaster* 9442.
- Myxomycotina, Coleoptera 8606.
- Nasutitermes nigriceps* /*Coptotermes acinaciformis*, rearing containers effects on 1816.
- necrophagy, *Latrodectus hesperus* 9444.
- neurosecretion, *Ixodes persulcatus* 1717.
- nutritional status, populations, *Triatoma infestans* 9535.
- Oecanthus nigricornis* 1112.
- Oniscus asellus* 6219.
- Oribatei 9434.
- phagostimulants, cucurbitacins, Chrysomelidae 1941.
- phagostimulants, saccharose/tyrosine, *Sitona lineatus* 2858.
- phagostimulants, *Sciopithes obscurus* 415.
- phagostimulants, *Sitophilus granarius* 9443.
- phagostimulants effects on biological control, *Heliothis virescens* 3103.
- Picea sitchensis* plant extracts effects on feeding behaviour, *Pissodes strobi* 1128.
- Pinus radiata*, Acari 9590.
- plant extracts effects on, *Yponomeuta* 2856.
- pollen, *Heliconius* 6966.
- proboscis extension, rhythms, *Protophormia terraenovae* 940.
- Prosimulium mixtum* /*Simulium vittatum* 9573.
- Psoroptes cuniculi* 441.
- Psychodidae 722.
- Pyrgomorpha bispinosa* 2795.
- quantitation engorgement, relationship size, *Dermacentor variabilis* 1547.
- Raptobaetis orientalis* larvae 2488.
- rates, age effects/environmental effects, *Simulium damnosum* 1920.
- rates, food composition effects on, *Simulium* 8607.
- rates/volume, age effects, *Simulium damnosum* 1921.
- regulation host searching behaviour, *Aedes aegypti* 4374.
- relationship farnesol effects on vitellogenesis, *Blaberus fuscus* 1835.

Feeding,(continued)

relationship fertility, *Culicoides* 1848.
 resource utilization, *Calineura californica* interspecific interactions *Hesperoperla pacifica* 3122.
 role brain, *Locusta migratoria* 217.
 saliva, anticoagulants, *Rhodnius prolixus* 7065.
 saliva, *Dysdercus fasciatus* / *Oncopeltus fasciatus* 422.
 saprophagy, succession, forest floor litter 7003.
 seasonal variations biting behaviour/malaria transmission, *Anopheles*, Papua New Guinea 2976.
 sestion capture, Trichoptera larvae 9660.
 Simuliidae larvae, food bacteria 2824.
 site selection, *Boophilus microplus* 1182.
 site selection, *Rhopalosiphum padi* 9472.
 sites/honeydew production, *Nephotettix cincticeps* 6784.
Sorghum bicolor antifeedants, Insecta 2885.
 starvation, metabolism/oogenesis, *Oxya japonica* 7496.
 starvation effects on migration, *Hippodamia convergens* 1037.
 starvation effects on oogenesis/juvenile hormones biosynthesis, *Periplaneta americana* 8408.
 starvation effects on reproduction, *Sitophilus granarius* 1821.
 starvation effects on supernumerary moulting, *Manduca sexta* 5435.
 starvation effects on trophallaxis, *Solenopsis invicta* 5715.
 Stomoxys calcitrans 2564.
 strategy, *Trialeurodes vaporariorum* / *Aleyrodes brassicae* 3827.
 sugars, seasonal variations, *Psorophora ferox* 3750.
 swarming behaviour, *Hetaerina americana* 412.
 taste sensitivity, *Spodoptera exempta* 938.
Triatoma barberi 516.
Tribolium confusum food preferences, *Penicillium* 235.
Wiseana larvae 3753.
 wood humidity effects on, Isoptera 6139.
Fenitrothion,
 control *Sitophilus zeamais* 554.
 control *Smicronyx fulvus* 2062.
 effects on pollination/populations, Hymenoptera 1231.
 pesticide resistance, Siphonaptera, Indonesia 4514.
 toxicity, environmental effects, *Tribolium confusum* 2680.
Fenno-Scandia,
 abundance/distribution, annual variations, *Erebica* / *Oeneis* 8920.
 check lists/new records Cerambycidae 8907.
 keys/check lists *Hydaticus* 7281.
 new records Ichneumonidae 8917.
 taxonomy/zoogeography Symphyta 4277.
Fentins,
 antifeedants, *Diacrisia obliqua* 9284.
Fenvalerate,
 persistence, control *Psylla pyricola* 565.
 pesticide resistance *Heliothis virescens* 1775.
 toxicity, Chrysomelidae/Coccinellidae/Eulophidae 1777.
 toxicity, *Chrysopa carnea* 1763.
 toxicity/chemical control Homoptera 3104.
Ferganotettix,
 new species, USSR 7337.
Ferrisia virgata,
 life cycles 1902.
Fertility,
Culicoides 1848.
 O gene/translocations effects on, *Aedes aegypti* 2125.
 delayed mating effects on, *Ixodes trianguliceps* 1823.
 environmental effects, *Aedes vexans* 1842.
Nezara viridula strains 3631.

radiation (γ) effects on, *Argas arboreus* 1826.
 radiation (γ) effects on, *Culex tarsalis* 1046.
 radiation (γ) effects on, *Ephesia cautella* 1041.
 salivary gland effects on, *Periplaneta americana* 9347.
 seminal fluid effects on, *Ptiophila casei* 1834.

Fertilization,

Apis mellifera 4590.
Cnaphalocrocis medinalis 359.
 effects on feeding, *Aedes aegypti* 3751.
 effects on neurosecretion, *Ixodes persulcatus* 3563.
 radiation (γ) effects on spermatozoa fertility, *Cydia pomonella* 3651.

Fidella,

new species, Morocco 6655.

Fidicina,

habitats/phenology, Costa Rica 384.

Fiji,

new records Diplopoda 3192.
 new records Myrmecina cacaabau 6484.
 new records Phytoseiidae 6460.
 new species Anoetidae 6544.
 new species Formicidae 7358.
 new species Hippoboscidae 6613.
 new species Scaphidiidae 2330.
 new species Tineidae 865.
 pest control, review 1262.

Filatima ukrainica,

first record, Sweden 1392.

Filchnerella,

new species, China, People's Rep. 7400.

Finland,

biology/records/geographical distribution *Gastropacha quercifolia* 396.

Brachymeria ovata, introduced species 3216.

check lists Diptera 5001, 5002.

check lists Ephemeroptera 8035.

check lists/new species Solenobiinae 5202.

check lists Odonata 6517.

first record *Agapanthia villosa* 8907.

first record *Anopheles beklemishevi* 2358.

first record *Baetis digitatus* 8034.

first record *Paraleptophlebia submarginata* 5007.

first records *Nymphula enixalis* / *Parapoynx diminutalis* 5012.

geographical distribution *Ips amitinus* 6497.

Lepidoptera 680.

new records Chironomidae 7114.

new records Chrysomelidae 8908.

new records Sesiidae 8573.

new species Adelidae 2422.

new species Lonchaeidae 9047.

new species Tenthredinidae 109.

pests, crops plants 7098.

Finland Hame,

new records Notodontidae 3221.

Finland Kojarvi,

check lists/phenology Lepidoptera 3221.

Finland Lapland,

new species Noctuidae 5951.

Finland Vihanti,

check lists Culicidae 8677.

Floria,

new species, USSR 158.

Florinta externa,

population dynamics, host plants effects on 5590.

population dynamics, host plants foliage nitrogen effects on 1987.

***Fiorinia externa*, (continued)**

population dynamics, mortality factors 4732.

***Fiorinia theae*,**

reproduction 3688.

Fitness,

chromosomes recombinants, *Drosophila melanogaster* 640.

viability mutants, *Drosophila melanogaster* 648.

***Fixsenia polingi*,**

new subspecies, USA 5193.

***Flanona*,**

new species, Australia 3283.

Flatidae,

communities 6291.

taxonomy 6647.

Flavohelodes,

new genus 8144.

new species, India 5858.

Flight,

see also **Behaviour**

abdomen sense organs, *Toxorhynchites brevipalpis* 223.

activity, DDT effects on, *Anopheles atroparvus* 371.

adipokinetic hormone effects on, *Locusta migratoria* 2513.

aerodynamic properties, *Pachynoda sinuata* 2514.

ameotaxis/geotaxis/phototaxis, *Scolytus multistriatus* 1070.

behaviour, development, *Locusta migratoria* 3462.

behaviour, equipment, *Spodoptera exempta* 887.

behaviour, hormones regulation, *Hippodamia convergens* 225.

behaviour/dispersal, *Chrysopa carnea* 2907.

circadian rhythms, *Cyclocephala* 3726.

circadian rhythms, regulation, *Culex* 2557.

development, *Locusta migratoria* 3461.

duration, variability, *Tetraopes tetraopthalmus* 3486.

fatty acids requirements, *Culex pipiens* 1660.

flight activity, circadian rhythms, mathematical models,

Culex quinquefasciatus 1646.

flight activity *Bathycyba thalassina* 1156.

flight activity relationship inversions frequency, *Drosophila melanogaster* 2180.

flight muscle metabolism, *Locusta migratoria* 965.

height/speed, *Drosophila hydei* 2554.

Insecta, review 1608.

isolation/crowding effects on, *Schistocerca gregaria* 3708.

metabolism, Leptinotarsa decemlineata 3459.

metabolism carbohydrates, *Apis mellifera* 3513.

methodology, Insecta 882.

models, review 1618.

muscles anatomy, *Anastrepha suspensa* 214.

muscles/skeleton, tensile properties, *Apis mellifera* 2509.

nerves, interactions vision, *Schistocerca gregaria* 2518.

nerves, ontogeny, *Schistocerca nitens* 7459.

optomotor response-visual stimuli, wing beat/posture,

Drosophila melanogaster 2555.

orientation, visual stimuli, *Calliphora erythrocephala* 2765.

orientation, visual stimuli, Calliphoridae 3482.

orientation, visual stimuli, *Syrphia pipiens* 2766.

phenology, *Cletus punctiger* 404.

phenology, *Myzus persicae*, South Africa Transvaal 394.

phenology/diel periodicity, Formicidae 1105.

preparation, wings, mechanical properties, *Thrips physapus* 1619.

role host location, *Glossina* 1889.

role α , α -trehalase activity, *Aphis citricola* 2578.

Simuliidae 420.

sound characteristics, taxonomic significance, Chironomidae 76.

sulphur dioxide pollution effects *Lasioglossum zephyrum*

flight activity 1973.

temperature effects on, *Ostrinia nubilalis* 9422.

thermoregulation, *Apis mellifera* 1710.

thermoregulation, *Gasterophilus intestinalis* 985.

velocity, Culicidae 2785.

Floracarus,

new species, India 3272.

Floria,

new species, Greece 6649.

***Floria variegata*,**

taxonomy/zoogeography 2200.

Fluorides,

pollution effects, *Apis mellifera* populations 504.

 α -Flupenthixol,

inhibition dopamine-induced secretion, salivary gland,

Nauphoeta cinerea 2626.

Folsomia,

taxonomy/new records, Czechoslovakia 794.

***Folsomia candida*,**

development, temperature effects on 4553.

population dynamics, predation effects on 9542.

predation 9541.

***Folsomia dovreensis*,**

first record, Czechoslovakia 794.

***Folsomia nana*,**

ecology 9511.

***Folsomia quadrioculata*,**

phenology/population dynamics, forests 9538.

Fonofos,

control *Ostrinia nubilalis* 3038.

Forcipomyia,

new species, South Africa 3344.

Forcipula,

revision 1467.

Forests,

Arachnida communities, Scotland 3852.

Araneae stratification, relationship environmental conditions 1173.

Betula pubescens, survival, *Oporinia autumnata* pest

outbreaks, *Formica aquilonia* effects on 2935.

coexistence/competition, resource partitioning, *Panorpa* 1976.

community composition/habitat preferences Chilopoda, USA/Ohio 509.

ecology Isopoda, Japan 3893.

energetics Diptera populations, Germany, Fed. Rep. 2938.

habitat preferences/community composition Carabidae 1166.

habitat preferences/community composition Araneae 1187.

habitat preferences/species diversity Noctuidae, USSR Altai 1979.

habitats Acrididae, distribution 2007.

litter, fertilizers effects on population density Diptera larvae 1181.

pest outbreaks/biology *Leucodonta bicoloria*, USSR 1894.

pests, South Africa, review 1260.

Picea, population studies Elateridae, Czechoslovakia 1163.

Pinus, life cycles/ecology *Panolis flammea*, British Isles 1101.

Pinus, soil, spatial distribution Collembola populations 490.

Pinus contorta, ecosystems, role *Dendroctonus ponderosae* 2084.

Pinus roxburghii, pest outbreaks *Dasychira*, Pakistan Swat 3080.

Pinus sylvestris, pest attacks *Tomicus* 3045.

Pinus sylvestris, soil pH effects on soil microorganisms 3114.

population dynamics Insecta, role pathogens 3965.

Psychodidae fauna, Malaysia 3247.

Forests,(continued)

- soil, check lists Acaridae, Belgium 2272.
 vertical distribution *Aedes* populations, Czechoslovakia 512.
***Forficula auricularia*,**
 biology/ecology/geographical distribution, Canada Quebec 2245.
Forficulidae,
 biology 2245.
 chromosomes 8816.
 new species, Austria 1466.
 new species, Ethiopian Region/Neotropical Region/Oriental Region 8172.
 new species, Guyana 9031.
 predation 3871.
 predation Aphididae, cereals crop fields 3823.
***Formica*,**
 chromosomes 610.
 head/thorax, cysts 1590.
 nests, soil, nutrient content 7913.
 population studies, Germany, Fed. Rep. Black Forest 8678.
 unning, energy requirements 1613.
***Formica aquilonia*,**
 effects on *Betula pubescens* survival, *Oporinia autumnata* pest outbreaks 2935.
***Formica cinerea*,**
 biology/ecology, USSR Byelorussia 2788.
***Formica exsecta*,**
 nests, social organization 7107.
***Formica haemorrhoidalis*,**
 nests, inquilinism *Ptomophagus californicus* 9448.
***Formica lugubris*,**
 biological control *Choristoneura fumiferana* 3091.
 foraging behaviour, effects on abundance/species diversity Arthropoda 9516.
 life cycles/nests 9420.
 mutualism 4662.
 populations, spatial distribution/foraging behaviour, seasonal variations, forests 9518.
***Formica polyctena*,**
 foraging behaviour, orientation, chemical stimuli/visual stimuli 7673.
 learning, habitat preferences 2772.
 nests, heat balance/production 2004.
 nests, thermoregulation 3111.
 nutrient cycles, nests 9640.
 pheromones 4461.
***Formica pratensis*,**
 metabolism, isoxanthopterin/riboflavin 9217.
***Formica rufa*,**
 foraging behaviour, social organization 9418.
 metabolism, anaesthetics/temperature effects 9212.
 mutualism/predation, *Drepanosiphum platanoidis* / *Operophtera brumata* / *Periphyllus testudinaceus* 6282.
 role transport *Debaryomyces cantarellii* 291.
***Formica transkaukasica*,**
 first record, Germany, Fed. Rep. 4120.
***Formicaleo tetragrammicus*,**
 new records, Germany, Fed. Rep. Rheinland 4132.
Formicidae,
 anatomy 1591.
 anti-predator behaviour *Parischnogaster nigricans* 8570.
 artificial nests 8301.
 association *Ferocactus gracilis* 4698.
 behaviour 392, 2769, 2821, 3108, 3886, 4639, 4662, 5477, 5525, 6178, 6922, 6927, 7107, 7673, 7688, 7907, 7908, 7909, 7910, 7912, 8779, 9248, 9393, 9418, 9516, 9641, 9653.
 behaviour/morphology 9652.
 behaviour/pheromones 9394.
 biology 2104.
 brood rearing 5720.
 chemical control 1266, 6343, 9587.
 chromosomes 610.
 cleptoparasitism 9391.
 coevolution plants 5557.
 communication 4605, 8648.
 communities 4625.
 competition 9526, 9551.
 control 2981, 3015.
 cultural control 3081.
 cuticle 6005.
 cysts 1590.
 development 9341.
 digestion 8418.
 dispersal 3737, 3812.
 ecological genetics 7167, 9707.
 ecology 579, 1875, 2791, 2889, 2914, 2935, 2969, 3796, 3858, 6265, 6306, 6381, 7005, 7014, 9501.
 ecology/biology 9637.
 ecology/fauna, grasslands, Australia Northern Territory 3822.
 energetics 9640.
 feeding 5715, 9442.
 flight periodicity 1105.
 foraging behaviour/activity, tropical agricultural ecosystems 2057.
 glands 272, 1727, 3569, 5262, 5348, 6075, 7532.
 glands/pheromones 4477.
 gut 947, 2574.
 hormones 3545.
 imaginal discs 8491.
 immature stages 6741.
 immature stages/phylogeny 1575.
 inquilinism 2801.
 insecticides effects on behaviour/survival 1005.
 interspecific interactions, deserts 2921.
 larvae 1576, 7435.
 learning 2772.
 life cycles 9415, 9421.
 locomotion 1613.
 metabolism 9212, 9217.
 migration 9498.
*Monomorium pharaonis*pheromones , control 2770.
 mutualism 7822, 8611, 9448.
 mutualism/predation 6282.
 natural enemies 1893.
 nectar robbing behaviour effects on pollination *Asclepias curassavica* 2879.
 nests 2004, 3111, 6378, 7913, 8781.
 new records, Fiji 6484.
 new records, France 8038.
 new records, Germany, Fed. Rep. 4120.
 new records, introduced species, New Zealand 6461, 6487.
 new species, Australia 5168.
 new species, Dominican Rep., fossils 827, 828.
 new species, Fiji/Papua New Guinea 7358.
 new species, fossils, Dominican Rep. 5932, 5933.
 new species, India 8251.
 new species, USA 3376.
 orientation 3696.
 parasitism 401.
 pheromones 1870, 2102, 2771, 3701, 4314, 4461, 5332, 5349.
 population density 481.
 populations 1998, 7837, 8678, 8780, 9518, 9651.

Formicidae, (continued)

- post-pharyngeal gland 6070.
 predation 418, 2946, 3091, 3830, 3860, 3877, 6374, 7001, 9500.
 prey *Helosciomyza subalpina* 1076.
 rearing 176, 3434.
 reproduction 9301, 9302, 9356.
 reproductive behaviour 1864.
 reproductive systems 3617.
 respiration 6816.
 sampling 2447.
 secretion 7528, 9250.
 secretions 273, 2628, 3565.
 senses 931, 4371, 5266.
 social organization 3109, 9650.
 stings 6748.
 symbiosis 3757.
 symbiosis epiphytes 4705.
 symbiosis *Glaucoopsyche lygdamus* 7730.
 symbiosis mutualism, evolution 3759.
 taxonomy 2405, 6661, 6662, 8250.
 toxicity amidinohydrazones 9286.
 toxicity insecticides 1017.
 toxicity phosphorothionates 2683.
 vector-borne diseases 7843.
 yeasts 291.
 zoogeography 4113, 6485.
- Formicomotes**,
 new genus, USSR 5802.
- Formicomus**,
 new species, Tanzania 5077.
- Fornicia**,
 new species, Taiwan 8243.
- Fossils**,
 Arthropoda, review 4096.
 Chernetidae, Oligocene amber, Dominican Rep. 2294.
 Coleoptera, bibliography 7234.
Conostigmus 837.
 Ephemeroptera/Palaeodictyoptera, Permian, USA
 Oklahoma 3295.
 Formicidae, Oligocene amber, Dominican Rep. 827, 828.
 Lagynodinae 836.
 locomotion, mathematical models, *Chresmoda* 8949.
 new species Cheiridiidae, amber, Dominican Rep. 8988.
 new species Chthoniidae, Oligocene, Dominican Rep. 5830.
 new species Empididae, Cretaceous, USSR 1479.
 new species Empididoidea, Cretaceous, USSR 1469.
 new species Eocoronidae, Triassic, Australia 6673.
 new species Eriophyidae, Oligocene, Hungary 4153.
 new species Eukoeneriidae, Tertiary, USA 3291.
 new species Euphoberiidae, British Isles 4308.
 new species Formicidae, Dominican Rep. 5933.
 new species *Gnamptogenys*, Miocene, amber, Dominican
 Rep. 5932.
 new species Hodotermitidae, British Isles 5182.
 new species Micropterigidae, Lower Cretaceous, USSR 3390.
 new species Sphaeroniscidae, Dominican Rep. 5969.
 new species Syrphidae, amber 5897.
 new species Tegoribatidae, USSR 2285.
 new species Thomisidae, Oligocene, Dominican Rep. 6561.
 new species Tipulidae, Paleocene, Canada 7324.
 new species Tormyidae, Dominican Rep. 8257.
 Upper Palaeocene, plant mines 4147.
- France**,
 Alps, caves, check lists Araneae 2278.
 check lists *Carabus* 8022.
 check lists *Colin* 8021.
 check lists/new records Mycetophilidae 1372.
 check lists Odonata 8055.
 check lists Sciomyzidae 8914.
 first record *Micromus lanosus* 4130.
 first record *Phyllodesma kermesifolia* 8044.
 first record *Tabanus darimonti* 7198.
 geographical distribution/biology *Idaea contiguaria* 686.
 keys Chrysopidae 5019.
 new records Aeshnidae 8923.
 new records Formicidae 8038.
 new records Lepidoptera 687.
 new records Liposcelidae 6699.
 new records Mantispidae 4131.
 new records Noctuidae 4126.
 new records Scydmaenidae 7297.
 new species Acaridae 755.
 new species Baetidae 2378.
 new species Braconidae 97.
 new species Chthoniidae 7262.
 new species Coleophoridae 3384.
 new species Coreculionidae 3317.
 new species Ichneumonidae 4269.
 new species Leptonetidae 1434.
 new species Listerophoridae 2279.
 new species Megaspilidae 2397.
 new species Mycetophilidae 3354.
 new species/new records Tabanidae 3359.
 new species Ochthebiidae 6586.
 new species Onychiuridae 1465.
 new species Parasitidae 1425.
 new species Psychidae 8274.
 new species Scarabaeidae 1460.
 new species Scatopsidae 2368.
 new species Staphylinidae 3331, 3336.
 new species Tachinidae 806.
 new species Tenthredinidae 107.
 new species Tortricidae 8281.
 new subspecies *Chrysoperla carnea* 4292.
 pest status/geographical distribution *Cnephasia pumicana*
 5013.
 revision *Baudia* 8148.
 revision *Brachynidius* 4105.
 revision *Coptocephala* 8129.
- France Alpes Maritimes**,
 check lists Chrysopidae 4129.
- France Alsace**,
 first record *Ceuthorrhynchus angulicollis* 4994.
- France Ardeche**,
 new records *Cerura verbasci* 688.
- France Cantal**,
 check lists Gracillariidae 8047.
- France Cevennes**,
 check lists Carabidae 7188.
- France Cevennes National Park**,
 check lists Caraboidea 4106, 4107.
- France Cher**,
 new records *Lycaena dispar* 2229.
- France Corsica**,
 new subspecies/check lists Cicadidae 6643.
- France Creuse**,
 check lists Lepidoptera 682, 685.
 check lists Noctuidae 683, 684.
- France Drome**,
 check lists Lepidoptera 4125, 4127.
- France Mont Ventoux**,
 habitats Lepidoptera 495.

- France Paris,
check list Lepidoptera 2230.
check lists Zygaenidae 8045.
Lepidoptera fauna 681.
- Frankliniella**,
chemical control, effects on population dynamics *Heliothis* ,
Gossypium crop fields 1164.
- French Guiana**,
check lists/new records Amatiidae 1414.
new species Psychodidae 1484.
new species Scarabaeidae 1461.
Psychodidae, epidemiology leishmaniasis 3000.
- French West Indies**,
check lists/biology Cerambycinae 3259.
- Geyeria trochylus**,
new subspecies, Nepal 6672.
- Giesea**,
new species, South Shetland Is. 7305.
- Gnatioidia**,
new species, USSR 1501.
- Grellia capensis**,
life cycles 9397.
- Gygoridae**,
eggs 1978.
hatching 1806.
- Gygoroidea**,
check lists, USA Illinois 3254.
check lists/new records, Poland Lublin 2225.
- Hangi**,
Phaenobidius /*Arthromitus* /*Smittium* , infection, Culicidae 6222.
- Cophaera apis* , oxytetracycline effects on, *Apis mellifera* 9263.
- Cophaera* spores germination, *Megachile rotundata* 2654.
- Pergillus flavus* , transmission, *Sitophilus zeamais* 9634.
- Pergillus flavus* /*Beauveria bassiana* , pathology, *Orthaga euadrusalis* 6849.
- Pergillus flavus-oryzae* , pathogenicity *Bombyx mori* 7555, 7556.
- Pergillus terrius* /*Rhizopus stolonifer* infection, *Phlebotomus* 9401.
- Association *Crossotarsus niponicus* 1905.
- Beauveria bassiana* , infection, immune response haemolymph, *Galleria mellonella* larvae 3574.
- Beauveria bassiana* , pathogenicity, *Galleria mellonella* 3586.
- Beauveria bassiana* , pathogenicity, *Nisotra orbiculata* 278.
- Beauveria bassiana* biological control *Leptinotarsa decemlineata* 3961.
- Beauveria bassiana* /*Paecilomyces fumoso-roseus* , pathogenicity, *Gelechia hippophaella* 3575.
- Beauveria tenella* /*Metarrhizium anisopliae* , biological control Culicidae 7063.
- biological control Culicidae 5645.
- biological control Diptera/Lepidoptera pests 7100.
- Paecilomyces* , infection, *Aedes trivittatus* 2640.
- Paecilomyces* , infection, Culicidae 4484.
- Paecilomyces opifexi* , infection *Aedes australis* 988.
- Paecilomyces ponticulus* , infection *Aedes flavopictus* , Japan 3573.
- Phidiobolus osmodes* , pathology, *Macrosiphoniella ablonga* 3591.
- maturation honey, pathogenicity *Apis mellifera* 2652.
- control pests Insecta, review 1254.
- Phlyceps aphodii* , hosts/pathogenicity, *Hypharparax* /
Aphodius 3572.
- Culicinomyces* , biological control Culicidae 523.
- Debaryomyces cantarellii* transport, *Formica rufa* 291.
- Entomophthora* , epizootics, *Hypera postica* 8691.
- Entomophthora* , infection, Aphididae 9269.
- Entomophthora* , natural enemies *Acyrtosiphon kondoi* , New Zealand 3892.
- Entomophthora* , role population dynamics, Aphididae 5598.
- Entomophthora aulicae* , infection/biological control Noctuidae 3055.
- Entomophthora egressa* , infection, haemocytes response, *Lambdina fiscellaria* 1751.
- Entomophthora fresenii* , biological control *Aphis fabae* 556.
- Entomophthora muscae* infection, humidity effects on, *Musca domestica* 7550.
- Entomophthora phytonomi* , infection, *Hypera postica* , USA Illinois 4492.
- Entomophthora phytonomi* , mortality factors *Hypera postica* 9533.
- Entomophthora planchoniana* , pathology, *Corylobium avellanae* 7547.
- Entomophthora virulenta* , pathogenicity *Tribolium destructor* 279.
- Entomophthoraceae infection Insecta 7544.
- Fomitopsis pinicola* /*Cryptoporus volvatus* , transmission, *Dendroctonus pseudotsugae* 9602.
- Fusarium oxysporum* , pathology, *Aedes detritus* 6844.
- Heterobasidium annosum* , association *Dendroctonus frontalis* , root rot *Pinus taeda* 1935.
- Hirsutella thompsonii* , natural enemies, *Colomerus novaehbridensis* /*Eriophyes guerreronis* 7899.
- infection *Epilachna varivestis* 996.
- infection Histeridae 289.
- infection *Scolytus scolytus* , environmental factors 9261.
- isolation, Culicidae 1745.
- Laboulbeniales, isolation, Coleoptera 3758.
- Lagenidium giganteum* , biological control *Culex tarsalis* 3002.
- Malassezia pachydermatis* association, *Sarcoptes scabiei* parasitism 6312.
- Metarrhizium anisopliae* , proteinase, toxicity, *Galleria mellonella* larvae 1014.
- Metarrhizium anisopliae* , biological control Insecta 547.
- Metarrhizium anisopliae* , pathogenicity, *Deois flavopicta* 6087.
- Metarrhizium anisopliae* , pathogenicity, *Lepidopta stigma* /*Leucopholis rorida* 5370.
- Metarrhizium anisopliae* /*Verticillium lecanii* , biological control/pathogenicity *Macrosiphoniella sanborni* 2642.
- Metarrhizium anisopliae* , pathogenicity, *Culex pipiens* 3585.
- mushrooms, Cecidomyiidae pests, Australia 2096.
- mutualism Formicidae, evolution 3759.
- mycophagy, *Aphaenogaster* 9442.
- mycotoxins, toxicity, *Tyrophagus putrescentiae* 1011.
- Myxomycetes, association, *Anisotoma* 9013.
- Myxomycotina, feeding, Coleoptera 8606.
- natural enemies *Anticarsia gemmatilis* /*Plusia* , Brazil 2002.
- Neurospora crassa* , collection, *Apis mellifera* 1269.
- Nomuraea rileyi* , control *Heliothis zea* 3056.
- Nomuraea rileyi* , infection *Spodoptera litura* 3579.
- Nomuraea rileyi* , toxicity, *Trichoplusia ni* 6856.
- Nomuraea rileyi* infection., effects on oxygen consumption, *Heliothis zea* 6848.
- Nosema limbata* /*Thelohania limbata* , infection, *Tramea limbata* 6851.
- Paecilomyces tenuipes* , infection, Noctuidae 997.
- pathogenicity, *Dendroctonus frontalis* 3595.

Fungi,(continued)

- pathology, *Hoplocampa testudinea* 3588.
 pathology, *Plutella xylostella* 7560.
 pathology, *Scolytus scolytus* 9260.
Penicillium, food preferences *Tribolium confusum* 235.
Plistophora dixippi, pathology, *Carausius morosus* 4488.
Podonectria coccicola, infection, Diaspididae/Coccidae 4498.
 relationship-*Dermatophagoides pteronyssinus*, house dust 9581.
Septobasidium association *Andaspis* 821.
 soil microorganisms, *Anacanthotermes angherianus* nests 1272.
 symbiosis *Atta* 3757.
Termitomyces, fungus gardens, *Microtermes* 7729.
Vairimorpha necatrix, pathogenicity, *Trichoplusia ni* 8455.
Verticillium fusisporum, pathogenicity, Homoptera 3580.
Verticillium lecanii virulence, *Macrosiphoniella sanborni* 3578.
 yeasts, effects on habitat selection, *Drosophila* 9506.
 yeasts, pollen storage, *Apis mellifera* 9446.
Zoophthora phytonomi /*Conidiobolus osmodes*, pathology, *Hypera variabilis* 7561.
Zoophthora radicans, infection, *Aphrodes bicinctus* 4489.
Fungicides,
 Agallol 3, toxicity, *Drosophila melanogaster* 6869.
 benomyl, mutagenesis, *Drosophila melanogaster* 4549.
 Ceresan, toxicity, *Drosophila* 8465.
 toxicity, *Acyrtosiphon pisum* 4515.
 trimorfamide, mutagenesis, *Drosophila melanogaster* 8469.
Furanocoumarins,
 plant chemicals, toxicity, *Papilio polyxenes* 8483.
Furcusp rectirostris,
 first record, British Isles 6470.
Furculattus,
 new genus, New Britain 1432.
Fuscicornia,
 new species, India 5181.

Gabon,

- new species Geometridae 3386.
 new species/Hyphydrus Halipidae/Dytiscidae 2298.
 new species/new records Protura 149.
 new species Nymphalidae 3398.
 new species Trombiculidae 4163.

***Gahrleptia*,**

- new species, Zaire 5060.

***Galagocheles*,**

- new genus 5051.

Galapagos,

- new species/new records Ixodidae 8099.

***Galeatus affinis*,**

- first record, Afghanistan 9066.

***Galerita janus*,**

- larvae 8327.

***Galerucella*,**

- genitalia 2491.

***Galleria*,**

- osmotic pressure haemolymph/Malpighian tubules/rectum 1711.

***Galleria mellonella*,**

- chitin biosynthesis, metamorphosis 2505.
 development, juvenile hormones esterase 4557.
 development, juvenile hormones esterase activity 3642.
 development imaginal discs 4521.
 development/injuries, γ -aminobutyric acid 4567.

- ecdysteroids, eggs/ovary 2599.

- haemolymph, juvenile hormones esterase 1685.

- haemolymph esterases/proteins, cold/glycerol effects on 1674.

- haemolymph ions, development 9244.

- immunology, role lysozyme 245.

- infestations *Apis mellifera* colonies 7694.

- inhibition cells disintegration, foregut, juvenile hormones 2743.

- juvenile hormones, development 9353.

- larvae, haemolymph, ecdysteroids levels 3658.

- larvae, haemolymph, immune response, *Beauveria bassiana* infection 3574.

- larvae, phototaxis, environmental factors 4606.

- larvae, purines/uric acid metabolism 3539.

- larvae, toxicity *Metarhizium anisopliae* proteinase 1014.

- metamorphosis, physiology 3662.

- microsomes, membrane turnover, lipids 959.

- nuclear polyhedrosis virus 4485, 8461.

- nuclear polyhedrosis virus, heat inactivation 991.

- oocytes, calcium content 3512.

- parasitism 241, 3761, 3764, 4674, 6161, 7735, 7736.

- parasitism, USA North Carolina 6984.

- pathogenicity *Beauveria bassiana* 3586.

- pathology *Heterorhabditis bacteriophora*, + *Xenorhabdus luminescens* 284.

- phagocytosis, haemocytes 5286.

- proteins, metamorphosis 1673.

- pupae, *Neoplectana carpocapsae* susceptibility 5359.

- reproduction, radiation (γ), environmental factors 4545.

- spatial distribution, *Podisus maculiventris* predation effects on, mathematical models 1185.

- transacylases, microsomes 2584.

- Verson's gland ultrastructure 1733.

Galleriidae,

- cuticle 2505.

- enzymes 1685.

- glands 1733.

- hormones 2599, 3658.

- immunology 245.

- juvenile hormones 2743.

- microsomes 959.

- oocytes 3512.

- parasitism 241, 3761, 3764.

- pathology 284, 3574, 3586.

- predation 1185.

- proteins 1673.

- purines 3539.

- temperature effects 1674.

- toxicity *Metarhizium anisopliae* proteinase 1014.

- viruses 991.

Galls,

- see also **Plants**

- Andricus legitimus*, *Quercus*, Europe 2401.

- biology *Procecidochares*, *Chrysothamnus* 380.

- Castanea*, life cycles *Dryocosmus kuriphilus* + parasites 1083.

- Cecidomyiidae, *Malus* 2804.

- Cecidomyiidae, Netherlands 663.

- Cecidomyiidae, *Salix* 3342.

- Cecidomyiidae host plants 2874.

- Eurosta*, *Solidago* 376.

- life cycles *Pemphigus populitransversus* morphs 4617.

- Pineus floccus* -Pinaceae 5493.

- Tephritis dilacerata* on *Sonchus arvensis* 3795.

- Urophora*, distribution, *Centaurea* flowers 2925.

- Gamasodes*,
check lists/new species, USSR 2283.
taxonomy 1425.
- Gamasomorpha*,
pathology protozoa 290.
- Gambia*,
check lists Meloidae 7289.
new species/check lists Ascalaphidae 5210.
new species Tipulidae 7323.
- Ganabalia*,
taxonomy 7391.
- Ganaspis*,
alcohol resistance, sexual dimorphism 9457.
- Gandaca harina*,
immature stages 188.
- Ganphosidae*,
taxonomy 5820.
- Garypidae*,
new species, USA 8987.
- Garypinus dimidiatus*,
new records, Greece 6563.
- Gasterophilidae*,
behaviour 5517.
parasitism 2850.
thermoregulation 985.
- Gasterophilus intestinalis*,
light/mating/oviposition 5517.
thermoregulation, flight physiology 985.
- Gasteruption opacum*,
first record, Germany, Fed. Rep. 2227.
- Gasteruptionidae*,
check lists, Germany, Fed. Rep. Baden 2227.
- Gastrimargus transversus*,
gonads, biometrics 1023.
oviposition/development, environmental factors 8530.
reproduction/development, environmental factors 6895.
- Gastrolina depressa*,
defence secretions 5345.
- Gastropacha quercifolia*,
biology/records/geographical distribution, Finland 396.
- Gastrophysa viridula*,
feeding effects on *Rumex* seeds production 1946.
- Gastrops willistoni*,
predation *Leptodactylus pentadactylus* 8679.
- Gastrosericus*,
new species, USSR 2412.
- Gaucha fasciata*,
first record, Uruguay 3258.
- Gauchocoris*,
new genus, Brazil 4246.
- Gaurax*,
new species, British Isles England 4229.
new species, USSR 8182.
- Gayella*,
new species, Bolivia/Argentina 5174.
- Gegenes nostrodamus*,
chromosomes 8826.
- Geholaspis mandibularis*,
first record, Poland 2212.
- Geltonaura klugii*,
feeding behaviour, *Eucalyptus* sap 6964.
- Gelechhia hippophaella*,
pathogenicity *Beauveria bassiana* /*Paecilomyces fumosus* 3575.
- Gelechiidae*,
attractants 2606, 9465.
- behaviour 6254, 7701, 9363.
biological control 3034, 4805, 4827.
biology 6113.
chemical control 3962, 6338.
chemical control/toxicity organotin compounds 2101.
chemosterilants 9338.
chitin inhibitors 1049.
cultural control 554.
deterrents 8636.
development 1796.
ecological genetics 9711.
eggs 189.
glands 1718.
host preferences 2863.
life cycles 6207.
longevity 1820.
mating 3692.
mutation 4920.
new records, Belgium 678.
new records, British Isles 8005, 8006.
new records, Ireland 8013.
new records, North America 5036.
new records, Sweden 706, 1392.
new species, USSR 2425.
parasitism 431, 1930, 8613, 9458.
pathology 3575, 6841.
pest resistance *Gossypium hirsutum* 6364, 8624.
pests 3096, 4824.
pheromones 6052, 6053, 6054.
population growth 493.
populations 7010.
sense organs 934.
sterilization 9368.
strains 1886.
taxonomy 2426, 6671, 8260.
toxicity fatty acids esters 1755.
toxicity methyl bromide 1768.
traps 3939, 6361, 8759.
- Genes**,
actin genes, *Drosophila* 7928.
adh gene, isolation/characterization, *Drosophila melanogaster* 2134.
Adh gene, regulators, *Drosophila melanogaster*, review 4007.
alanine aminotransferase, gene mapping, *Drosophila melanogaster* 593.
alar dimorphism, *Laodelphax striatellus* 3167.
alar dimorphism, *Orgyia thyellina* 3164.
albino, *Venezillo evergladensis* 1294.
alcohol dehydrogenase, alcohol selection, *Drosophila melanogaster* 7981.
alcohol dehydrogenase, *Drosophila melanogaster* 7930.
alcohol dehydrogenase, gene mapping, *Delia antiqua* 3137.
alleles, *Apis mellifera* colonies, mathematical models 6401.
 α -amanitin resistant mutant, characterization, *Drosophila melanogaster* 3151.
anaesthetics resistance, *Drosophila melanogaster* 9292.
Antennapedia gene complex, lethality, developmental genetics, *Drosophila melanogaster* 6391, 6393.
Antennapedia mutant, complex, gene mapping, *Drosophila melanogaster* 3133.
Antennapedia mutant complex, gene mapping, *Drosophila melanogaster* 3132.
aromatic-L-amino-acid decarboxylase, chromosomes regions, *Drosophila melanogaster* 9667.
Balbiani rings gene expression, salivary gland secretion, *Chironomus tentans* 4473.

Genes,(continued)

- Bare mutant, modifier gene, *Drosophila subobscura* 6398.
 behavioural genetics, *Musca domestica* 8859.
 bobbed gene lethal mutant, RNA gene, gene amplification, *Drosophila melanogaster* 4868.
 bristles genes, dominance, *Drosophila melanogaster* 3126.
 coloration, *Coelophora inaequalis* 8863.
 coloration, *Iphiclydes podalirius* 8892.
 coloration, *Melanoplus sanguinipes* 3131.
 complementary-yeasts mutants, *Drosophila* 4019.
 complex, reproductive isolation, *Drosophila* 3170.
 cytogenetics/genetics red eye mutant, *Aedes sierrensis* 1285.
 D gene, effects on sex ratios/fertility, *Aedes aegypti* 2125.
 deficiency, meiosis, X chromosome, *Drosophila melanogaster* 599.
 determination aberrations, *Melanargia galathea* 1303.
 developmental genetics, *Drosophila melanogaster* 8828.
 developmental genetics, larvae viability, maternal effects, *Drosophila melanogaster* 6390.
 diamond palpup mutant, *Anopheles stephensi* 8843.
 diapause, *Drosophila littoralis* 8801.
 diapause inheritance, *Calliphora vicina* 2187.
Dirofilaria immitis susceptibility, *Aedes aegypti* 5728.
 Distorter gene, meiotic drive, effects on fertility/sex ratios, *Aedes aegypti* 8802.
Drosophila melanogaster 4875, 4876.
 dumpy gene, analysis, *Drosophila melanogaster* 594.
 dunce gene, behavioural genetics, *Drosophila melanogaster* 5727.
 ecological genetics *Argia vivida* 1340.
 engrailed gene, *Drosophila melanogaster* 6396.
 esterase, *Drosophila montana* 1290.
 esterase activity, reproduction, *Drosophila melanogaster* 8550.
 esterase gene expression, *Drosophila virilis* 4880.
 esterase gene mapping, *Anopheles albimanus* 9668.
 evolution/organization/structure, *Antheraea polyphemus* 4003.
 eye coloration/pesticide resistance, *Spodoptera littoralis* 3130.
 eye colour, mutation rates, *Apis mellifera* 2161.
 eye pigmentation mutants, *Culex tritaeniorhynchus* 8840.
 females sterility/segregation distorter gene, chromosomes, *Drosophila melanogaster* 3143.
 fibroin, DNA, *Bombyx mori* 9671.
 fibroin, transcription, silk gland, *Bombyx mori* 3139.
 fibroin gene mapping, *Bombyx mori* 3136.
 forked gene, duplication, position effects, *Drosophila* 2142.
 gene expression, chimaeras, *Drosophila melanogaster* 3128.
 gene expression, embryology, *Drosophila* 7140.
 gene expression, evolutionary genetics, *Drosophila* 4972.
 gene expression, X chromosome, *Drosophila melanogaster* 4874.
 gene expression Minute mutant, temperature effects, *Drosophila melanogaster* 3647.
 gene frequency, colour polymorphism, *Philaenus spumarius* 639.
 gene frequency, enzyme polymorphism, population genetics, *Drosophila subobscura* 6450.
 gene mapping, *Bombyx mori* 4015.
 gene mapping, chorion, *Bombyx mori* 4877.
 gene mapping, *Drosophila melanogaster* 4014.
 gene mapping, eye colour mutants, *Culex tritaeniorhynchus* 4921.
 gene mapping, heat shock proteins, *Drosophila melanogaster* 1292.
 gene mapping, *Lucilia cuprina* 4867.
 gene mapping, pupae mutants, *Bombyx mori* 7936.
 gene mapping, short-wing mutant, *Aedes aegypti* 597.
 gene mapping, X chromosome, *Drosophila melanogaster* 625.
 gene mapping β -tubulin subunits mutants, *Drosophila melanogaster* 1302.
 gene regulation, alcohol dehydrogenase/aldehyde oxidase, *Drosophila* 4869.
 genetic factors/environmental effects, variation, Insecta 634.
 genetics *Nilaparvata lugens* biotypes 7926.
 glycerol-3-phosphate dehydrogenase gene expression, *Drosophila melanogaster* 7979.
 heat shock, *Drosophila* 4025.
 heat shock, *Drosophila melanogaster* 4871.
 heat shock proteins, deoxyribonuclease I sensitivity, *Drosophila melanogaster* 591.
 heat shock proteins, *Drosophila melanogaster* 1293, 2131, 4005, 8799.
 heat shock proteins, evolution, *Drosophila* 7175.
 heat shock proteins, nucleotide sequence, *Drosophila melanogaster* 9672.
 heritability, abdominal bristles, *Drosophila melanogaster* 8797.
 heritability, abdominal bristles, *Drosophila melanogaster* 8796.
 heritability, enzyme polymorphism, *Yponomeuta cagnagellus* 8795.
 heritability, enzyme polymorphism, *Yponomeuta* hybrids 8880.
 heritability, feeding efficiency, *Aedes aegypti* 7927.
 heritability, radiation (γ) sterilization, *Plodia interpunctella* 8536.
 hexokinase/phosphoglucumutase, *Anopheles albimanus* 8800.
 histones, deficiency, *Drosophila* 6395.
 histones structural gene deficiency, gene amplification, *Drosophila melanogaster* 1295.
 hsp gene, nucleotide sequence, *Drosophila melanogaster* 7134.
 hsp70 gene, nucleosomes, *Drosophila melanogaster* 4024.
 juvenile hormones, *Drosophila melanogaster* 4916.
 lethal genes, population genetics, *Drosophila subobscura* 6446.
 Lhr gene lethality, *Drosophila* hybrids 4946.
 linkage analysis, non-moulting mutants, *Bombyx mori* 2160.
 mating behaviour, *Drosophila melanogaster* 8858.
 metabolism pyrimidines, *Drosophila melanogaster* 4065.
 mobile dispersed gene, localization, *Drosophila melanogaster* 7125.
 mutation sensitivity, *Drosophila melanogaster* 4873.
 Notch gene, polytene chromosomes, *Drosophila* 8804.
 nuclear-cytoplasmic interaction, sterility, *Drosophila melanogaster* 3140.
 oocytes mutants interaction rRNA genes, *Drosophila melanogaster* 4060.
 overwintering, *Lymantria dispar* 9712.
 pesticide resistance, *Anopheles culicifacies* 307.
 pesticide resistance, *Culex quinquefasciatus* 2135.
 pesticide resistance, *Spodoptera littoralis* 1771.
 pesticide resistance diazinon, *Lucilia cuprina* 1007.
 pesticide resistance parathion, *Musca domestica* 1764.
 phosphoglucumutase enzyme polymorphism, *Toxorhynchites splendens* 2165.
 proteins, activity, glands, Insecta 7935.
 pts gene, frequency dependent selection, *Drosophila melanogaster* 2129.
 quantitation, lethal mutant, *Drosophila melanogaster* 7942.

Genes,(continued)

- r gene, *Drosophila melanogaster* 5730.
 radioresistance, *Drosophila melanogaster* 4901.
 regulation sex ratios, *Tetranychus urticae* 7164.
 reproduction, *Drosophila melanogaster* 4066.
 resistance aflatoxin B₁, *Drosophila melanogaster* 1342.
 resistance *Brugia*, *Aedes scutellaris* 8882.
 Rf gene, maternal inheritance, *Ephestia kuehniella* 4881.
 rRNA, crossing-over, *Drosophila* 4035.
 rRNA, *Drosophila hydei* 1286.
 tRNA, *Drosophila melanogaster* 3134, 4866.
 mRNA, *Drosophila melanogaster* 7941.
 tRNA, evolutionary genetics, *Drosophila melanogaster* 590.
 tRNA, gene mapping, *Drosophila melanogaster* 2136.
 rRNA, *Sarcophaga bullata* 7946.
 RNA biosynthesis, dosage compensation, X chromosome, *Drosophila melanogaster* 7132.
 rRNA gene, characterization, *Drosophila tumiditarsus* 5731.
 rRNA gene, chromatin structure, *Drosophila melanogaster* 3129.
 RNA gene, cistrons, *Calliphora erythrocephala* 8805.
 rRNA gene, cloning, *Drosophila melanogaster* 1306.
 RNA gene, *Drosophila melanogaster* cell lines 7136.
 rRNA gene, *Drosophila virilis* 8803.
 RNA gene, eukaryotes, structure/function, review 4032.
 RNA gene, insertion regions, arrangement, *Drosophila melanogaster* 7120.
 rRNA gene, localization, *Drosophila simulans* chromosomes 598.
 RNA gene, mapping, *Drosophila melanogaster* 5726.
 rRNA gene, nucleotide sequence, *Drosophila melanogaster* 6399.
 RNA gene, spacer, *Calliphora erythrocephala* 6397.
 rRNA gene clusters, X chromosome, *Drosophila hydei* 7944.
 RNA gene structure, *Chironomus tentans* 4017.
 rRNA genes, nucleotide sequence, *Drosophila melanogaster* 2143.
 tRNA Lys genes clusters, *Drosophila melanogaster* 7139.
 rRNA 18/28S, salivary gland, *Drosophila* 9669.
 rosy gene regions, chromosomes, *Drosophila melanogaster* 2149.
 segregation, enzyme polymorphism, *Drosophila melanogaster* 6443.
 segregation, population genetics, *Drosophila melanogaster* 6453.
 sepi gene, polymorphism, maintenance, *Drosophila melanogaster* 4090.
 sex determination, *Drosophila melanogaster* 604.
 silk fibroin, nucleotide sequence, *Bombyx mori* 1298, 1299.
 toxicity acephate, *Choristoneura* 6860.
 transcription, *Drosophila* 7135.
 transposons, RNA biosynthesis, *Drosophila melanogaster* 2137.
 transposons, termini repeated sequence organization, *Drosophila melanogaster* 1307.
 transposons organization, *Drosophila melanogaster* 2138.
 triplo-lethal gene, survival enhancement, X chromosome, *Drosophila melanogaster* 9675.
 u-w gene, gene mapping 7937.
 tubulin, *Drosophila melanogaster* 4009.
 α -tubulin genes, *Drosophila melanogaster* 7931.
 vestigial gene, expression, *Drosophila melanogaster* 4878.
 vitellogenin, *Drosophila melanogaster* 7137.
 w's gene eye mutants, *Anopheles culicifacies* 8845.
 white gene, eye colour mutants, *Drosophila melanogaster* 3154.
 wings bristles, *Drosophila hydei* 8794.
 wings folding, *Drosophila melanogaster* 9696.
 X chromosome activity, dosage compensation, hybrids, *Drosophila* 7129.
 yellow gene mutants, behavioural genetics, *Drosophila melanogaster* 4944.
 yolk proteins, *Drosophila* 2133.
Genetic background,
 see **Genes**
Genitalia,
Arhopalus ferus 2696.
Bombyx mori 910.
Brachyptera braueri / *Perlodes microcephalus* 353.
 Chironomidae, taxonomy 911.
 Chrysomelidae 2491.
Coleophora 1564.
Culex 909.
 Curculionoidea 3446.
Eurytides 858.
 grafts, development, experimental gynandromorphs, *Tenebrio molitor* 1790.
Liogonyptoides inermis / *Paragonyptes fulvigranulatus* 26.
Melanogromyza cunctanoides 94.
 morphology, Alydidae 201.
 morphology, phylogeny Nematocera 4099.
Okeanobates 1538.
 Onthophagini 164.
Rhynchopolipus rhynchophori 2694.
Scatophaga stercoraria 912.
 teratology, *Hylaster* 1583.
Genoneopsylla,
 new species/new records, China, People's Rep. 5217.
Geocepheus,
 new genus, Neotropical Region 8963.
Geocoris,
 spatial distribution, *Gossypium hirsutum* 2971.
Geocoris punctipes,
 predation on *Heliothis virescens* 2930.
Geocorisae,
 neurosecretion cells 9169.
Geogarypus,
 new species, India 7263.
Geolycosa domfex,
 respiration, relationship burrowing behaviour 1647.
Geometra,
 taxonomy 852.
Geometridae,
 biological control 4803, 7094.
 biology 2815.
 check lists, Balearic Is. Majorca 9722.
 check lists, Italy 2236.
 ecological genetics 636.
 ecology 2899, 4748.
 genitalia 6121.
 host plants 475.
 immature stages 5245.
 integrated control 8738.
 life cycles 5523.
 life cycles/chemical control 7712.
 melanism 4092, 9709.
 natural enemies 4746.
 new records, Spain 6515.
 new records, Belgium 4123.
 new records, Canada New Brunswick 717.
 new records, Europe 690.
 new records, Hungary 8921.
 new records, Italy 6513.

Geometridae, (continued)

new records, Netherlands 1384.
 new records, Spain 1390.
 new records, Switzerland 1393.
 new records, USA New York 5785.
 new species, Australia 1518.
 new species, Cameroon (United Rep.)/Rwanda 851.
 new species, China, People's Rep. 8265.
 new species, Ethiopian Region 3386.
 new species, Iran/Yugoslavia 7373.
 new species, Malagasy Rep. 3387, 5188.
 new species, Nepal 8261, 8264.
 new species, Papua New Guinea 4281.
 new species, Rwanda 3388.
 new species, Rwanda/Tanzania 8262.
 new species, South Africa 4280.
 new species, Spain 2427.
 nutrition 9202.
 parasitism 806, 6972.
 parthenogenesis 317.
 pathology 288, 1751.
 pests 563, 1884, 2935, 3078, 3981, 7815.
 polymorphism 1351.
 population genetics 1346.
 predation 6282.
 pupae 185.
 pupation 1158.
 review/check lists, Iberian Peninsula 693.
 taxonomy 852, 5187, 5948, 8263.
 zoogeography 686.

Geometroidea,
 review/check lists, Iberian Peninsula 693.
 taxonomy, book 737.

Geomitopsis,
 new species, Turkey 3332.

Geomydoecus,
 new species, Mexico 1526, 2437, 9103.
 new species, USA 138.
 taxonomy 7393.

Geomylichus,
 new species, USA 7250.

Geomyza tripunctata,
 larvae, pest status/damage *Zea mays* 551.

Geotrupes,
 keys/new species, Mexico 5864.
 new records, Afghanistan 4209.
 walking, mechanisms 215.

Geotrupes spiniger,
 cleptoparasitism 1120.

Geotrupes stercorosus,
 population dynamics/population density, seasonal variations,
 Poland Bialowieza National Park 2917.

Geranolicus,
 taxonomy 5810.

Geratoppia bipilis,
 fossils 2285.

German Dem. Rep.,
 check lists Pyraustinae 7204.
 check lists Scopariinae 7203.
 Curculionidae fauna 7189.
 ecology/geographical distribution *Ischyropsalis hellwigi*
 8662.

first record *Acrolocha pliginskii* 4995.
 first record *Gonatopus sepsoides* 7201.
 first record *Myzus varians* 6510.
 first record *Ophya aenesens* 5003.
 geographical distribution/biology *Hyphantria cunea* 3222.
 new records *Satyrus circe* 1378, 3223.
 new records Staphylinidae 1363, 1364, 2215, 3197.
 new species Aphidiidae 5159.

German Dem. Rep. Dresden,
 check lists Lepidoptera 8048.

German Dem. Rep. Leipzig,
 check lists, aquatic environments, Insecta 8018.
 parks, soil, check lists, Coleoptera 7182.
 species diversity, Araneae 6274.
 species diversity, Carabidae 6301.

German Dem. Rep. Magdeburg,
 check lists Odonata 9741.

German Dem. Rep. Mecklenburg,
 check lists/new records Staphylinidae 4995.
 geographical distribution *Anaciaeschna isoceles* 5021.

German Dem. Rep. Thuringia,
 new records Staphylinidae 1364, 2215.
 check lists Psychodidae 6507.

Germany, Fed. Rep.,
 first record *Asiobates striatus* 6586.
 first record *Baetis digitalis* 9731.
 first record *Emmelina jezonica* 9737.
 first record *Formica transkaukasica* 4120.
 first record *Gasteruption opacum* 2227.
 first record *Tinea steueri* 8049.
 geographical distribution *Agriotypus armatus* 429.
 geographical distribution/keys Machilidae 5024.
 new records Coleoptera 8911.
 new records Ixodidae 4101.
 new records Mycetophilidae 8029.
 new records *Xenopelopia* 2223.
 new species Ceratopogonidae 63.
 new species Chironomidae 6606.
 new species Hymenoptera 6650.
 new species Limoniidae 7312.
 new species Mycetophilidae 5126, 9051.
 new species Tachinidae 806.
 pesticide resistance *Musca domestica* 1761.

Germany, Fed. Rep. Allgau,
 check lists Mycetophilidae 8029.

Germany, Fed. Rep. Baden,
 first record *Phlyctaenia perlucidalis* 2231.
 check lists Gasteruptionidae 2227.

Germany, Fed. Rep. Baden-Wurtemberg,
 first record *Dioryctria simplicella* 3224.

Germany, Fed. Rep. Bavaria,
 Allgau Alps, Diptera pests, cattle 2025.
 check lists/ecology Elminthidae/Hydraenidae 8023.

Germany, Fed. Rep. Bonn,
 Culicidae fauna 2222.

Germany, Fed. Rep. Heligoland,
 Ixodidae parasites birds 4101.

Germany, Fed. Rep. Hersbruck,
 check lists Syrphidae 7199.

Germany, Fed. Rep. Hessen,
 check lists Cerambycidae 1365.

Germany, Fed. Rep. Kaiserslautern,
 new records *Xylocopa violacea* 4121.

Germany, Fed. Rep. Lorenzer Reichswald,
 new records Araneae 8904.

Germany, Fed. Rep. Rheinland,first record *Araneus adiantum* 4103.first record *Coenagrion hastulatum* 4133.first record *Lindenius subaeneus* 4114.first record *Rhopalum nigrinum* 4117.first record *Tibellus maritimus* 4102.new records *Chorthippus vagans* 4134.new records *Crossocerus podagricus* 4115.new records *Formicaleo tetragrammicus* 4132.new records *Pseudogonolus hahni* 4119.records *Strongylognathus testaceus* 4113.**Germany, Fed. Rep. Rheinpfalz,**first record *Crossocerus congener* 4118.first record *Xiphydria camelus* 4116.**Germany, Fed. Rep. Saar,**

new records Lepidoptera 689.

Germany, Fed. Rep. Schopflocher Alb,

check lists Bombycidae/Noctuidae/Sphingidae 9736.

Germany, Fed. Rep. Solingen,

new records Coleoptera 8909, 8910.

streams, ecology Coleoptera 3119.

Germany, Fed. Rep. Westphalia,

Carabidae/Staphylinidae fauna 3193.

Germany (GDR),

see German Dem. Rep.

Germany (GFR),

see Germany, Fed. Rep.

Gerridae,

behaviour 3748, 6942.

diving behaviour 2120.

ecological genetics 7162, 7977, 9704.

immature stages/life cycles 7696.

life cycles 7115.

locomotion 8949.

pollution levels 6384.

population genetics 646.

populations 6271.

zoogeography 7994, 9718.

zoogeography/phylogeny 3185.

Gerris,

development/community composition, temperature effects 6890.

diving behaviour, thermoregulatory behaviour 2120.

enzyme polymorphism, ecological genetics 7977.

enzyme polymorphism, population genetics 646.

estimation population density 6271.

life cycles/habitat preferences, lakes, Canada British

Columbia 7115.

locomotion/surface tension, mathematical models 8949.

zoogeography 7994.

Gerris lacustris,

enzyme polymorphism, genotype-environment interactions 7162.

Gerris remigis,

wings polymorphism 9704.

Gerrormorpha,

phylogeny 653.

Ghana,

new species Cerambycidae 4194.

new species Chrysomelidae 8130.

new species Dytiscidae 5097.

new species Lathridiidae 5833.

new species Pieridae 3402.

new species Reduviidae 8223.

Gibbium,

new species, China, People's Rep. 1459.

Gilpinia hercyniae,

host plants effects on development/feeding 6991.

metabolism lipids/carbohydrates, development 7508.

Gindara,

new genus, India 2390.

Gladicauda,

new genus, New Zealand 1508.

Glands,see also **Secretion**

abdomen, Ponerini 1727.

abdomen epidermis, *Neodiprion sertifer* 7529.abdomen/thorax, composition secretions, *Jadera**haematoloma* 275.accessory gland, nucleic acids biosynthesis, *Aedes aegypti* 2139.accessory gland, *Oxya velox* 8500.accessory gland, proteins biosynthesis, juvenile hormones, *Rhodnius prolixus* 7530.accessory gland, role egg pod formation, *Schistocerca gregaria* 8444.accessory gland, secretions, role tanning eggs, *Aedes aegypti* 1846.accessory gland, ultrastructure, *Rhodnius prolixus* 4527.accessory gland development, *Rhodnius prolixus* 8498.accessory gland proteins, *Poecilocera picta* 7628.accessory gland secretions, *Glossina morsitans* 1849.accessory glands, ultrastructure, *Tenebrio molitor* pupae *Tenebrio molitor*, pupae, accessory glands ultrastructure 5347.ageing, *Apis mellifera* queens 9297.anatomy, *Riazocoris nigra* 1563.cerebral gland implants, inhibition *Dysdercus cingulatus* moulting, *Jonespeltis splendidus* 1725.coremata, *Parallela conficiens* 6068.corpora allata, caste determination, *Plagiolopsis pygmaea* 9341.corpora allata, ecdysones effects on, *Diploptera punctata* 5430.corpora allata, effects on proteins, *Melanoplus sanguinipes* 3667.corpora allata, *Ephemera danica* 6071.

corpora allata, lindane effects on 3599.

corpora allata, ultrastructure, *Polistes gallicus* 6838.

corpora allata, ultrastructure/activity, embryogenesis,

Carausius morosus 7527.corpora allata biometrics, *Scaptotrigona postica* 7526.corpora allata/corpora cardiaca effects on hindgut glycogen, *Periplaneta americana* 232.corpora allata/corpora cardiaca ultrastructure, diapause *Pectinophora gossypiella* 1718.corpora allata/Insecta, water transport, rectum, *Periplaneta americana* 6031.corpora allata/prothoracic gland, development, *Macrotermes michaelsoni* 9350.corpora allata regulation, juvenile hormones, *Leptinotarsa decemlineata* 3668.corpora cardiaca, effects on glucose metabolism, *Tenebrio molitor* 5296.corpora cardiaca, innervation, *Manduca sexta* 8361.corpora cardiaca, neurosecretion, *Locusta migratoria* 8443.cuticle, role termitophily, *Termitoides marginatus* 3562.defence glands, *Tenebrionidae* 6458.dermal glands, ultrastructure, *Campodea* 1719.

Glands,(continued)

- Dufour's gland secretions, *Anthophora abrupta* 271.
 endocrine system effects on trypsin, *Aedes aegypti* 3501.
 endocrinology reproduction, *Periplaneta americana* 6912.
 gnathocoxal gland, role grooming behaviour, Araneae 2630.
 gut, anatomy/histology, *Aenictus gracilis* 947.
 head, *Solenopsis invicta*, castes 272.
 hypopharyngeal glands, cytology/ultrastructure, *Bombus atratus* 986.
 integument, *Atta* 5348.
 integument, pheromones, *Acromyrmex octospinosus* / *Atta* 5349.
 labial gland, sequestering ascorbic acid, *Manduca sexta* larvae 7507.
 labial gland, *Spodoptera exigua* larvae 6073.
 larva gland, ions transport, *Drosophila virilis* 9243.
 mandibular gland secretions *Plodia interpunctella* 987.
 mandibular glands, acids, *Apis mellifera* 258.
 mandibular glands, pheromones, *Bombus terrestris* queens 5350.
 mandibular glands, secretion, *Myrmica* 9250.
 mandibular glands, secretions, 4-heptanone/4-heptanol, *Zacryptocerus varians* 273.
 mandibular glands/Dufour's gland, secretions, *Hylaeus modestus* 3564.
 mandibular glands secretions, *Aphaenogaster fulva* / *Xenomyrmex floridanus* 2628.
 Nasonov gland, pheromones, social behaviour, *Apis mellifera* 4474.
 neuroendocrine system, *Idiocerus atkinsoni* 9171.
 neurohaemal organs, *Philosamia ricini* larvae 8441.
 neurosecretion, histology, *Coccinella septempunctata* 9253.
 osmeterium secretion, *Papilio protenor* 4480.
 oviduct, *Lipeurus lawrensis* 322.
 ovipositor, *Euxoa* 9306.
 pheromone gland, *Diagama hearseyana* 6072.
 pheromone gland, *Plodia interpunctella* 274.
 pheromone gland, *Zygaena* 3181.
 post-pharyngeal gland, secretions, biosynthesis, *Solenopsis invicta* 3569.
 post-pharyngeal gland, *Solenopsis invicta* 6070.
 proteins genes activity, Insecta 7935.
 prothoracic gland, aldehydes fixation, *Rhodnius prolixus* 1596.
 prothoracic gland, development, *Locusta migratoria* 3674.
 prothoracic gland, ecdysones/ultrastructure, *Xyleborus ferrugineus* 7650.
 prothoracic gland, ecdysteroids, *Tenebrio molitor* 2747.
 prothoracic gland, ecdysteroids production, *Periplaneta americana* 9254.
 prothoracic gland, innervation, *Periplaneta americana* 7463.
 prothoracic gland cells, ultrastructure, *Bombyx mori* 1732.
 pygidial gland, defence secretions, Dytiscidae 2621.
 pygidial gland, trail pheromone, *Pachycondyla laevigata* 4477.
 pyloric gland, ultrastructure, *Glomeris marginata* / *Polydesmus angustus* 1720.
 queen pheromone, *Solenopsis invicta* 7532.
 queens thorax, *Vespa pensylvanica* 7537.
 rectum, sex pheromone secretion, *Dacus oleae* 231.
 reproductive systems, *Dacus dorsalis* 2697.
 retrocerebral complex, ultrastructure, *Lasius niger* 5262.
 salivary gland, calcium transport, *Phormia regina* 983.
 salivary gland, DNA biosynthesis, *Drosophila melanogaster* 7943.
 salivary gland, α -flupenthoxol, inhibition dopamine-induced secretion, *Nauphoeta cinerea* 2626.
 salivary gland, glycoproteins/proteins content, development *Chironomus thummi* 1729.
 salivary gland, membrane potential, chromosomes puffing, *Drosophila* 1309.
 salivary gland, neurotransmitters, *Nauphoeta cinerea* 7462.
 salivary gland, physiology, review 7531.
 salivary gland, RNA biosynthesis, *Lygaeus* 3561.
 salivary gland, role, midgut β -D-fructofuranosidase, *Periplaneta americana* 9191.
 salivary gland, secretions, *Rhynchosciara americana* larvae 2631.
 salivary gland, transport purine nucleosides analogues, *Chironomus tentans* 921.
 salivary gland, *Trypanosoma rangeli* penetration, *Rhodnius prolixus* 3007.
 salivary gland, ultrastructure, *Lycoriella pimplyformis* 1731.
 salivary gland, ultrastructure/pathology, *Glossina pallidipes* 1750.
 salivary gland, uridine metabolism, *Chironomus thummi* 5308.
 salivary gland activity, toxins effects on, *Calliphora erythrocephala* 6069.
 salivary gland chromosomes, ecdysones binding, *Chironomus tentans* 8857.
 salivary gland culture, *Chironomus tentans* 2498.
 salivary gland degeneration, hormones, *Amblyomma hebraeum* 8437.
 salivary gland effects on development/fertility, *Periplaneta americana* 9347.
 salivary gland/midgut gland, enzymes, *Apotrigona nebulata* 2624.
 salivary gland proteins, *Anopheles* / *Culex* 2622.
 salivary gland secretions, characterization, *Bombus atratus* 1730.
 salivary gland/sex pheromone glands, sex differences, Tephritidae 7534.
 salivary glands, acinar cells electrical properties, *Nauphoeta* 1716.
 scent gland, Heteroptera, review 7533.
 scent gland, ultrastructure/secretion, *Apaticetus bracteatus* 6076.
 scent gland accessory gland secretions, *Oncopeltus fasciatus* 2620.
 scent glands secretions, *Dysdercus similis* larvae 1722.
 secretion alarm pheromone, Acaridae 4454.
 secretion trail pheromone, *Iridomyrmex humilis* 3701.
 sex pheromone, anatomy/ultrastructure, *Phragmatobia fuliginosa* 1724.
 sex pheromone glands, *Apanteles melanoscelus* 8445.
 sex pheromone glands, leg, *Musca domestica* / *Glossina morsitans* 3553.
 sex pheromone glands, lipids, *Argyrotaenia velutinana* 753.
 silk gland, corpora allata effects on fibroin mRNA biosynthesis, *Bombyx mori* 2623.
 silk gland, development, amino acids effects on, *Bombyx mori* larvae 3517.
 silk gland, fibroin, *Bombyx mori* 8438.
 silk gland, fibroin secretion, selection, *Bombyx mori* 7972.
 silk gland, tRNA isoacceptors, *Bombyx mori* 6394.
 silk gland, ultrastructure, *Bombyx mori* 4479.
 silk gland, *Uroctea durandi* 2633.
 silk gland metabolism, methoprene effects on, *Bombyx mori* 5346.
 spinnerets, Uloboridae 6067.
 sternal gland, pheromones, recruitment, *Aneuretus simoni* 6075.
 sternal glands, *Eusphalerum* 5868.

ands,(continued)

- gs, Apidae 8321.
 umental gland, ultrastructure/secretion, *Polistes gallicus* 2625.
 umental glands, Bothriuridae 3570.
 torium gland, secretion, *Polyxenus lagurus* 2632.
 gal gland, caste determination, *Melipona quadrifasciata* 719.
 gal gland, *Postelectrotermes nayari* 6836.
 rax epidermis, *Ulomyia fuliginosa* 8446.
 om gland, *Polistes hebraeus* 8442.
 om gland, *Urodacus novaehollandiae* 1728.
 son's gland ultrastructure, *Galleria mellonella* 1733.
Lucioides,
 genus, Brazil 3364.
Lucops hirsutus,
 ae 3436.
Lucopsyche lygdamus,
 gument, anatomy 2506.
 mbiosis-Formicidae 7730.
Luraspida,
 ohol resistance, sexual dimorphism 9457.
Mognatha,
 sion, Nearctic Region 1430.
Bothorax,
 y species, Bolivia 5100.
Meris marginata,
 ric gland ultrastructure 1720.
ssina,
 attractants 5327.
 avour, sex pheromone effects on 7653.
 mical control 6315, 6327, 6329, 6330.
 mical control, effects on nontarget organisms 3053.
 omosomes, DNA distribution 4870.
 rol, antibodies toxicity 3016.
 ersion, seasonal variations/diurnal variations 3833.
 mocytes 2560.
 : location, role flight 1889.
 preferences, epidemiology trypanosomiasis, Uganda 213.
 selection, odour/visual stimuli role 2991.
 thparts, blood flow, *Trypanosoma* infection effects on 562.
 control 2993.
 ulation density/community composition/host preferences, Uganda Lugala 499.
 ulation dynamics, forests, Zimbabwe 5584.
 pheromone specificity 2609.
 nd production, mechanisms 5355.
 s 6708.
 s, efficiency 5229.
 ors, African trypanosomiasis 6325.
ssina caliginea,
 omen coloration, variation 5998.
ssina morsitans,
 ssory gland secretions 1849.
 avour, radiation (γ)/artificial diets effects on 1810.
 gy budget 1981.
 etion/water absorption, ions, effects on 4415.
 t, temperature effects 6752.
 osition site selection 7656.
 s biosynthesis, endosulfan effects on 6857.
 s metabolism, diets effects on 1813.
 evity/fecundity, hosts immune status effects on 440.
 sterility, role X chromosome 4914.
 gut epithelium, ultrastructure 4394.
 midgut/hindgut, ATPase (Na + K activated) localization 9193.
 mouthparts, development *Trypanosoma congolense* 2988.
 rearing, inbreeding 5748.
 sex pheromone, role, mating behaviour 2607.
 sex pheromone glands, leg 3553.
 traps 5229.
Glossina morsitans morsitans,
 midgut, proteinase inhibitors 953.
Glossina pallidipes,
 feeding, effects on reproduction 7602.
 salivary gland, ultrastructure/pathology 1750.
 traps 7414.
Glossina palpalis,
 chemical control 6328.
 diets effects on excretion/feeding 1662.
 diets effects on fecundity/growth 1814.
 diets effects on reproduction 6885.
 dispersal/longevity 5578.
 hosts drugs effects on reproduction 2989.
 integrated control 7050.
 oogenesis/lipids metabolism, nutrition effects on 7627.
Glossina tachinoides,
 chemical control 6316, 7059.
Glossinidae,
 attractants 5327.
 behaviour 1889, 2991, 3833, 7653, 7656.
 check lists, Uganda Toro Game Reserve 4136.
 chemical control 3053, 6314, 6315, 6316, 6327, 6328, 6329, 6330, 7059.
 chromosomes 4914.
 control 3016.
 diets 1662, 1814.
 digestive systems 4394.
 dispersal 5578.
 ecology 499.
 energetics 1981.
 enzymes 953, 9193.
 feeding 440, 7602.
 flight 6752.
 glands 1750, 3553.
 haemocytes 2560.
 integrated control 7050.
 metabolism 1813.
 morphology 5998.
 mouthparts 2562.
 nucleic acids 4870.
 nutrition/reproduction 7627.
 pest control 2993.
 pheromones 2607, 2609.
 population dynamics 5584.
 rearing 5748.
 reproduction 2989, 6885.
 secretions 1849.
 sound production 5355.
 sterile-release 1810.
 toxicity endosulfan 6857.
 traps 6708, 7414.
 vector-borne diseases 1213, 2988, 6325.
Glossomyrme,
 new genus, Afghanistan 5177.
 new species, Afghanistan 3378.
Glossopeltis,
 new species, Ethiopian Region 83.
Glossosoma intermedium,
 larvae case construction 1913.

- Glossosomatidae**,
case construction 1913.
mutualism 8657.
new species, Morocco 3411, 6704.
new species, Portugal 869.
- Gluvia**,
taxonomy 34.
- Gluvia dorsalis**,
first record, Portugal 7186.
- Glycaspis**,
new species, Australia 7348.
population changes, *Eucalyptus blakelyi* effects on 1950.
- Glycobius speciosus**,
feeding, *Acer saccharum* 5658.
- Glycoproteins**,
salivary gland, development, *Chironomus thummi* 1729.
- Glycyphagidae**,
new species, Nepal 3273.
new species, Spain 1420.
new species, Thailand 1423.
new species, USA 6548, 8097.
osmoregulation 6830.
- Glycyphagus**,
new species, USA 6548.
population levels, aeration effects on 7008.
- Glycyphagus destructor**,
parasitism horses, hypersensitivity 7860.
toxicity acaricides 6858.
- Glycyphagus domesticus**,
water balance 6830.
- Glycyphagus microti**,
life cycles/parasitism *Microtus pinetorum* 6548.
- Glycyphana macquarti**,
new subspecies, Malaya 9017.
- Glycyphana nicobarica**,
new records, Malaya 9017.
- Glyphipterigidae**,
taxonomy/review, Iberian Peninsula 848.
- Glypta fumiferanae**,
toxicity L 7063 5387.
- Glyptocombus saltator**,
taxonomy 1491.
- Glyptomorpha**,
taxonomy 6631.
- Glyptotendipes paripes**,
toxicity insecticides 7856.
- Glyptotermes brevicornis**,
gut, redox properties 5291.
- Glyptus**,
taxonomy 5086.
- Gnamptogenys**,
new species, fossils, Miocene, amber, Dominican Rep. 5932.
- Gnaphosidae**,
bites, new records, New Zealand 6320.
check lists/ecology, USSR Badkhyz 20.
new species, Cuba 21.
new species, Morocco 760.
taxonomy 3280, 5817.
- Gnaptor spinimanus**,
ultrastructure oocytes nuclei 3450, 3451.
- Gnathamitermes tubiformans**,
nutrient cycles, deserts 7028.
- Gnathobleda**,
taxonomy/morphology 85.
- Gnathoglockinus impressus**,
taxonomy 1462.
- Gnathonarium dentatum**,
biometrics 2471.
- Gnathostactus**,
new genus 1462.
- Gnathotrichia**,
revision, Australia 8294.
- Gnathotrichus**,
repellents, oleic acid/*Pinus* oils 263.
- Gnathotrichus retusus**,
attractants, pheromone traps 4443.
- Gnathotrupes pauciconcavus**,
taxonomy 1462.
- Gnophomyia**,
new species, Ecuador 1488.
- Gnypeta ripicola**,
first record, British Isles 4983.
- Goeldichironomus holoprasinus**,
first record, Argentina 3346.
toxicity insecticides 7856.
- Goera pilosa**,
parasitism 429.
- Goeridae**,
parasitism 429, 6229.
- Goleba**,
new genus 8105.
- Gomphidae**,
females 202.
immature stages 8347.
life cycles/immature stages 8585.
migration 8645.
new species, Guatemala 2439.
new species, Mexico 7396.
new species, USA 1528.
taxonomy 3406.
zoogeography 5022.
zoogeography/geographical distribution, Italy 708.
- Gomphocerus**,
DNA content 8806.
- Gomphocerus sibiricus**,
meiosis, chromosome aberrations 8822.
- Gomphus pulchellus**,
range extension, Europe 5022.
- Gonads**,
see also Ovaries, Testes
- Gonatopus sepsoides**,
first record, German Dem. Rep. 7201.
- Gonepteryx rhamni**,
first record, Crete 4124.
- Gonla**,
taxonomy 806.
- Gonia cinerascens**,
biology, parasitism *Galleria mellonella* 3761.
development, hosts hormones 6161.
development, hosts sex effects on 3764.
eggs, hatching, environmental effects 2733.
parasitism *Galleria mellonella* 4674.
- Goniadera**,
larvae 8334.
- Goniaea**,
defensive behaviour 2822.
- Gonimbrasia tyrreha**,
teratology, wings 199.
- Gonioctena**,
revision/check lists, Morocco 3313.
- Gonioctena americana**,
anatomy 7450.
development/emergence, temperature effects on 339.

- Gonioctena americana*, (continued)
dispersal 1971.
- Goniozus jacintae*,
parasitism *Epiphyas postvittana* 8617.
- Gonista*,
new species, China, People's Rep. 141.
- Goniurellia*,
revision 4242.
- Gonogenia*,
new subspecies, Ethiopian Region 5085.
- Gonotropis*,
new species, Japan 40, 2301.
- Gonyleptidae*,
new records, Brazil 4177.
new species, Brazil 26, 27.
- Goodia*,
new species, Cameroon (United Rep.) 132.
- Gracilentulus*,
new species, Sardinia 6696.
- Gracilentulus kenyanus*,
first record, Seychelles 2440.
- Gracillaria*,
taxonomy 118.
- Gracillaria elongella*,
larvae, host plants/mouthparts 470.
- Gracillariidae*,
check lists, France Cantal 8047.
ecology 9517.
immature stages/life cycles 7707.
life cycles 470.
new records, British Isles Kent 658.
new records, France 687.
new species, India 118.
new species, Turkey/Greece 3389.
new species/new records, Nigeria 117.
pesticide resistance 2674.
sant mines 3836.
populations 5592.
taxonomy/new records, Italy 2428.
- Graminella nigrifrons*,
community structure, grasslands 5594.
transmission maize chlorotic dwarf virus 2901.
transmission maize rayado fine virus 1951.
- Grammodes stolidus*,
first record, Sweden 8052.
- Graphium*,
metemurium secretion 5351.
taxonomy 859.
- Graphium sarpedon*,
mimicry 8304.
pernumerary chromosomes 8807.
- Graphocephala atropunctata*,
transmission Pierce's disease, *Vitis vinifera* 9636.
- Graphocephala versuta*,
ecology/ecology, USA Florida 3094.
- Graphognathus*,
consumption plants 419.
- Graphognathus leucoloma*,
dispersal, mathematical models 3815.
population dynamics, grasslands species composition effects
on 3844.
- Graphognathus peregrinus*,
host plants effects on fecundity/longevity 7759.
- Grapholitha*,
chemical control/pheromone traps 2098.
- Grapholitha funebrana*,
pause, weight 6127.
- Grapholitha molesta*,
chemical control 8768.
population density/dispersal, orchards, Hungary 1155.
population studies, mathematical models 6309.
sex pheromone 4452.
sex pheromone rhythms, environmental factors 4587.
- Grasslands**,
see also **Savannah, Steppe**
Arthropoda pests/biological control, Australia, review 3979.
biological control Insecta pests, review 3942.
biology Isoptera, Australia 3710.
community composition/species diversity Insecta 1180.
community structure Auchenorrhyncha 5594.
cultural control *Costelytra zealandica* 3950.
cultural control *Costelytra zealandica* 3954.
cultural control *Inopus rubriceps* 3968.
cultural control Insecta pests 3992.
damage, Insecta pests, review 3970.
damage/pest status *Serices this geminata* 3940.
damage/pest status *Teleogryllus commodus* 3941.
ecology/fauna Formicidae, Australia Northern Territory
3822.
energetics Acrididae populations, alpine environments, New
Zealand 3848.
energy flow/population levels/productivity *Belenois*
mesentina 1986.
food preferences, Coleoptera 1110.
forage, effects on population levels *Haematobia irritans*
2934.
habitat preferences/community composition Araneae 1187.
habitat preferences/species diversity Noctuidae, steppes,
USSR Altai 1979.
host plants effects on development/survival, *Inopus rubriceps*
3845.
Insecta populations, mathematical models 3863.
niche overlap/resource utilization, seasonal variations,
Diptera 2960.
nitrogen cycle, role *Haematobia irritans* /*Onthophagus*
gazella 2929.
nutrient cycles/energy flow, role invertebrates 3881.
parasites Cicadellidae, USA Kansas 436.
pest status Diptera, review 3066.
population dynamics/competition Acrididae 2952.
population dynamics Scarabaeidae, environmental effects
3856.
population studies Scarabaeidae, review 3873.
species composition effects on population dynamics
Costelytra zealandica, New Zealand 3829.
species composition effects on population dynamics
Heteronychus arator /*Graphognathus leucoloma* 3844.
steppes, habitats Acrididae, distribution 2007.
viruses population regulation *Wiseana* 3957.
- Grazia**,
new genus 6634.
- Greece**,
Aphididae pests *Gossypium hirsutum* 3084.
Cetonia keys 3198.
check lists Buprestidae 4108.
distribution *Parnalus cerisy* 9143.
first record *Eupithecia cerussaria* 690.
first record *Melanargia russiae* 6512.
new records Liposcelidae 6699.
new species Bombyliidae 8177.
new species Buprestidae 6566.
new species Chrysomelidae 9003.
new species Gracillariidae 3389.

Greece, (continued)

- new species Japygidae 2350.
 new species/new records Helodidae 53.
 new species/new records Pseudoscorpiones 6563.
 new species/new records Staphylinidae 9025.
 new species Psyllidae 6649.
 new species Tettigoniidae 139, 6694.
 new species Zodariidae 4176.
 new subspecies Actiidae 7369.
 new subspecies *Anthocharis damone* 4286.
 new subspecies *Pseudochazara cingovskii* 7388.
 zoogeography Chrysomelidae 9004.
- Greenaspis**,
 new species, China, People's Rep. 92.
- Greenidea**,
 taxonomy/morphology 3366.
- Greenland**,
 first record *Coleophora glaucicolella* 8072.
 new species Chironomidae 67, 7308.
- Gripopterygidae**,
 new species, Australia 7402.
- Gromerius**,
 taxonomy 9064.
- Gromierus**,
 taxonomy 9064.
- Gromphadorhina brunneri**,
 genitalia 8503.
- Gromphadorhina portensota**,
 agonistic behaviour 7722.
 cuticle permeability, gut 2571.
- Grossiana**,
 new genus 5140.
- Growth**,
 amino acids effects on, diets, *Tenebrio molitor* 1663.
Apanteles glomeratus, hosts age effects on 7738.
 L-canavanine effects on, *Manduca sexta* 1811.
Cryptopygus antarcticus, polar environments 5490.
 diets effects on, *Glossina palpalis* 1814.
 efficiency, *Poecilocerous pictus* / *Coccinella septempunctata* 1923.
 fatty acids esters effects on, *Heliothis* / *Pectinophora gossypiella* 1755.
 granulosis virus infection effects on, *Pericallia ricini* larvae 2643.
 host plants, *Heteronychus arator* larvae 7757.
 host plants pollen effects on, *Heliothis virescens* 1152.
 humidity effects, *Tineola bisselliella* 8413.
 imaginal discs wings, compartments, *Drosophila* 2496.
 Insecta 4530.
 intraspecific interactions, *Morter obscurus* larvae 1985.
 larvae, Dyar's rule, *Hemileuca oliviae* 7445.
Nerium odorum effects on, *Utheisa pulchella* 2869.
- Growth regulators**,
 Altosid, effects on development, *Aphytis holoxanthus* / *Coccophagus pulvinariae* / *Tetrastichus ceroplastae* 8521.
 Altosid, morphogenesis *Achoea janata* 6898.
 altozar, *Culex fatigans* 7603.
 altozar, effects on ovary, *Corcya cephalonica* 7605.
 aryl terpenoid ethers, control *Aedes taeniorhynchus* / *Anopheles* 2669.
Azadirachta indica plant extracts, *Epilachna varivestis* / *Ephestia kuehniella* / *Apis mellifera* 2720.
 chemical control *Aphis gossypii* 1242.
 chemical control *Lobesia botrana* 553.
Choristoneura fumiferana 6147.
Coleopsis lanceolata plant extracts, *Drosophila melanogaster* 3649.
 control *Phyllocoptruta oleivora* 3946.
 cyclohexadienes, *Anthonomus grandis* / *Heliothis virescens* 3630.
 diflubenzuron, + radiation (γ), effects on reproduction, *Anthonomus grandis* 9322.
 diflubenzuron + derivatives, activity/fate, *Anthonomus grandis* 3628.
 diflubenzuron, *Achoea janata* 9326.
 diflubenzuron, *Cryptolaemus montrouzieri* 6136.
 diflubenzuron, effects on development/reproduction, *Oncopeltus fasciatus* 8525.
 diflubenzuron, effects on elytra, *Leptinotarsa decemlineata* 7600.
 diflubenzuron, *Spodoptera litura* 6135.
 diflubenzuron, toxicity/effects on development, *Heterotermes indicola* / *Reticulitermes flavipes* 7615.
 diflubenzuron effects on *Tenebrio molitor* 9327.
 diflubenzuron/methoprene, *Amblyseius brazilli* / *Tetranychus desertorum* 7599.
 effects on cuticle, *Stomoxys calcitrans* 6882.
 effects on development, *Musca domestica* larvae 327.
 effects on development, *Plodia interpunctella* / *Corcya cephalonica* 7608.
 effects on development/reproduction, *Sitophilus oryzae* 5405.
 effects on population development, Aphididae 6141.
 hydroprene, effects on development, *Dysdercus koenigii* 6887.
 methoprene, effects on development, *Dendroctonus frontalis* 6149.
 methoprene, effects on development/nuclear polyhedrosis virus pathogenicity, *Hyphantria cunea* 340.
 methoprene effects on caste differentiation, *Macrotermes michaelsoni* 5407.
 methoprene effects on silk gland, *Bombyx mori* 5346.
 monensin, toxicity, *Haematobia irritans* / *Musca autumnalis* 9282.
Musca domestica 1801.
 persistence, bioassays, *Lycoriella mali* 8482.
Picea abies / *Pinus silvestris* resins, *Culex pipiens* 3603.
 potassium acetate effects on development, *Xyleborus fornicatus* 2058.
 precocene, effects on reproduction/development, *Dysdercus similis* 6888.
Santalum album plant extracts, Lepidoptera 2728.
 toxicity, *Aedes aegypti* 5384.
 triphenyltin compounds, effects on oogenesis, *Musca domestica* 2718.
 ZR-515/ZR-619, synergists, *Spodoptera littoralis* 6108.
- Grusia krahmeri**,
 taxonomy 140.
- Gryllidae**,
 behaviour 4368, 7648.
 behavioural genetics 9694.
 bioassays 5683.
 chromosomes 5733.
 circulatory system 6025.
 control 2981.
 cuticle 3458, 5254, 6003.
 development 6879, 7592.
 development/nutrition 6145.
 diapause 7596.
 enzymes 9198.
 fatty acids 6791.
 feeding 1112.
 food plants 6239.
 food preferences 1661.

- Gryllidae,(continued)**
heart 946.
mating 1856.
metabolic rate 1686.
metabolism 253.
muscles 2459.
mutualism 4663.
nerves 1623, 2529, 2530, 2536, 3469, 4356.
neurosecretion 4362, 4363.
new records, Turkey 7213.
new species, Italy 5961.
nutrition 4391.
orientation 4601, 7671.
pathology 282.
pests 3941.
populations 7022.
prey, *Bufo marinus* 2932.
regeneration 8509.
rhythms 4383.
sense organs 1640, 2541, 8371, 8381, 9179, 9180.
senses 7476.
sound production 159, 6839.
spermatozoa 1786.
taxonomy 146.
taxonomy/zoogeography 5212.
thermoregulation 7525.
toxicity polycyclic hydrocarbons 2665.
toxicity terbufos + derivatives 6099.
viruses 1003, 3424.
Gryllotalpa africana,
pathology, protozoa 1752.
food preferences, gut adaptations 1661.
- Gryllotalpidae**,
chromosomes 5737.
food preferences 1661.
mouthparts 6726.
protozoa infection 1752.
- Gryllus***,
nerves, electrical properties, auditory stimuli 2536.
reproductive systems, fatty acids 6791.
taxonomy 5212.
Gryllus assimilis,
population dynamics 7022.
Gryllus bimaculatus,
direction, role cerci nerves 2540.
hearing, nerves integration 3469.
orientation, light 4601.
scolopale organ, leg 9179.
sense organs, leg 9180.
sound production analysis 159.
Gryllus campestris,
auditory perception, analysis 6839.
auditory perception, nerves 7476.
medulla neurons, visual perception, compound eyes 1640.
Gryllus firmus,
diapause eggs, oviposition/development 7596.
Gryllus integer,
auditory communication, reproductive behaviour,
behavioural genetics 9694.
mating/reproduction 1856.
Gryllus pennsylvanicus,
cuticle hydrocarbons 3458.
Gryon,
new species, Mongolia, People's Rep. 4275.
Gryon rubrigaster,
taxonomy 4274.
- Guadeloupe**,
new species Platyrhacidae 871.
Guanophagoides,
taxonomy 8969.
Guaramiris,
new genus, Brazil 4245.
Guaranozetes,
new genus, Paraguay 6541, 8089.
Guatemala,
new species Gomphidae 2439.
new species Pentatomidae 4248.
new species Simuliidae 5896, 6621.
streams benthos fauna 583.
Guinea,
new species Geometridae 3386.
pest surveys 3977.
Gunarus parvulus,
new records, Italy 9728.
Gunteria,
new species, Australia 4164.
new species, Papua New Guinea/West Irian 8973.
revision, Papua New Guinea 4162.
Guntia,
new genus, USSR 2433.
Gut,
adaptations, food preferences, Orthoptera 1661.
amino acids, Pyralidae larvae 2569.
amylase secretion, *Bombyx mori* 2582.
anal papillae, ions regulation, *Aedes togoi* 3556.
anatomy, Leptophlebiidae larvae 206.
anatomy, *Riazocoris nigra* 1563.
anatomy, *Solenopsis invicta* larvae 1591.
anatomy, Termitidae 2567.
anatomy/histology, *Aenictus gracilis* 947.
Bruchidae larvae 1655.
chitin synthase, inhibition, *Tribolium castaneum* 1668.
colon, ultrastructure/function, *Periplaneta americana* 1666.
crop, anatomy, *Solenopsis invicta* 2574.
cuticle permeability, Insecta 2571.
dieldrin uptake, *Schistocerca gregaria* 1765.
digestion, *Oryctes nasicornis* 2575.
enzymes, *Rhynchosciara americana* 3498.
enzymes activity/microflora, Staphylinidae 3499.
eversion, Chaoboridae 1658.
foregut, inhibition cells disintegration, juvenile hormones,
Galleria mellonella 2743.
hindgut, pyloric gland, *Glomeris marginata* /*Polydesmus angustus* 1720.
hindgut cytopathology, diets effects on, *Scaphiostreptus* 2565.
hindgut glycogen, *Periplaneta americana* 232.
microflora, bacteria, *Tipula abdominalis* larvae 1924.
microflora, *Pterotermes occidentis* 2830.
microflora, *Reticulitermes flavipes* 1925.
midgut, amino acids transport, *Bombyx mori* 1654.
midgut, *Bacillus thuringiensis* endotoxins effects on,
Manduca sexta 1000.
midgut, basement membranes, ultrastructure, *Aedes dorsalis* 239.
midgut, juvenile hormones effects on, metamorphosis,
Parasarcophaga ruficornis 2566.
midgut, metamorphosis, *Parasarcophaga ruficornis* 949.
midgut, potassium/rubidium transport, *Hyalophora cecropia* larvae 1708.
midgut, potassium transport, *Manduca sexta* 3557.
midgut, proteinase inhibitors, *Glossina morsitans morsitans* 953.

Gut,(continued)

- midgut, viruses pathology, *Pseudaletia unipuncta* 1002.
 midgut cells, nucleus inclusions, *Carausius morosus* 1595.
 midgut cells, ribosomes, *Aedes aegypti* 3505.
 midgut esterase, *Pseudaletia unipuncta* 234.
 midgut hydrolases, *Rhynchosciara americana* 2585.
 midgut membrane potential, *Bombyx mori* / *Philosamia cynthia* larvae 950.
 midgut pH, adaptations, host plants, Lepidoptera larvae 2563.
 midgut ultrastructure, *Bacillus thuringiensis* endotoxins effects on, *Bombyx mori* 2649.
 midgut ultrastructure, development, *Hypogastrura tullbergi* 3507.
 oxygen consumption, *Periplaneta americana* 4388.
 peritrophic membrane biosynthesis, polyoxins inhibition, *Calliphora erythrocephala* 233.
 pH, Pyralidae larvae 2573.
 pH/enzymes, *Dysdercus koenigii* 2577.
 pharynx, anatomy effects on *Brugia malayi* transmission, Culicidae 1664.
 rectum, ions transport, role corpora cardiaca/cyclic AMP, *Schistocerca gregaria* 2618.
 rectum, osmotic pressure, *Dermestes* / *Galleria* / *Pieris* / *Tenebrio* 1711.
 rectum, sex pheromone glands, ultrastructure, *Dacus oleae* 231.
 role moulting behaviour *Schistocerca gregaria* 227.
 ultrastructure, water balance, *Pyrilla perpusilla* 948.
Guyana,
 first record *Termitodius peregrinus* 8152.
 new species Acrididae 1529.
 new species Forficulidae 9031.
 revision/new species Proctolabinae 867.
Gyas,
 distribution/habitat selection 8658.
Gymnetron,
 new species, Mongolia, People's Rep. 5094.
Gymnodia ruficornis,
 cocoons 4618.
Gynandromorphism,
 see **Gynandromorphs**
Gynandromorphs,
 antennae morphology, *Bombyx mori* 3166.
 fat body histochemistry, *Bombyx mori* 3542.
Lagynodes acuticornis 836.
 mitosis recombination effects on mosaicism/
 gynandromorphism, *Musca domestica* 2179.
Gynemica,
 new species, India 7333.
 new species, Pakistan 7332.
Gyretes,
 new species, Venezuela 9011.
Gyrinidae,
 behaviour 5476.
 ecology/check lists, Italy Lucania 664.
 new records, British Isles Surrey 6469.
 new records, Yugoslavia 1369.
 new species, Venezuela 9011.
 teratology 908.
Gyrinus urinator,
 first record, British Isles Surrey 6469.

Habitats,

agricultural ecosystems, biomass Insecta 9514.

- agricultural ecosystems, mountains, Carabidae communities, Austria 5602.
 agricultural ecosystems, population levels/species composition Insecta 9513.
 alpine environments, communities Insecta, New Zealand Mount Aspiring National Park 6292.
 alpine environments, distribution/seasonal variations Araneae 6276.
 aquatic environments, check lists, Insecta, German Dem. Rep. Leipzig 8018.
 aquatic environments, Heteroptera, Belgium 5770.
 aquatic environments, new records, Coleoptera, British Isles England 7998.
 beaches, *Cicindela pilosipes* 7016.
 benthos drift, invertebrates, seasonal variations 4856.
 breeding sites, Odonata, Kenya 4744.
 breeding sites, population levels, *Culex pipiens* 8685.
 breeding sites, snowmelt *Aedes* 9549.
 caves, check lists Pseudoscorpiones, Italy 6496.
 caves, populations *Limonius flavomarginatus* , USA Missouri 9750.
Citellus pygmaeus burrows, check lists Araneae 8690.
 coastal environments, *Rhyssmus scaber* 8062.
 crop fields/grasslands soil, biomass/population density, Insecta 9655.
 deforestation effects on communities Isoptera, Brazil 7007.
 deserts, microenvironments/adaptations, *Arenivaga* 9246.
 deserts, nutrient cycles, *Gnathamitermes tubiformans* 7028.
 deserts, osmoregulation *Onymacris plana* 4472.
 deserts/marine environments, *Seira ferrarii* 9524.
 dunes lakes/ponds, Coleoptera 8947.
 dung, traps, Acari/Coleoptera 7430.
Dynatus nigripes / *Penepodium albobillosum* 4635.
Elaeis guineensis decay/soil, community composition, Arthropoda 9508.
 forest floor litter, saprophagy, succession 7003.
 forest management, Insecta, review 7035.
 forest management effects on Arthropoda 6278, 6296.
 forests, *Antipodochlora braueri* 6299.
 forests, burnt ground, colonization/succession, Insecta 7798.
 forests, check lists *Ixodes dammini* 9745.
 forests, Coleoptera communities, Belgium 7041.
 forests, community composition Carabidae 7830.
 forests, community composition/species diversity, Opiliones 9547.
 forests, ecology, Coleoptera 6275.
 forests, ecology *Psychodopygus intermedius* , Brazil 9519.
 forests, energetics/species composition, Insecta 7026.
 forests, litter, diurnal variations activity patterns, Arthropoda 7800.
 forests, phenology/population dynamics *Folsomia quadrioculata* 9538.
 forests, species composition, Coleoptera 8909, 8910.
 forests, species composition, Elateridae 6184.
 forests, *Sphaeroderus* 8669.
 forests, succession, fires effects on 7042.
 forests, succession, fires effects on, Arachnida 7043.
 forests, succession, fires effects on, Carabidae 7044.
 forests, succession, fires effects on, Lathridiidae 7045.
 forests, trees, ecology Arthropoda 7790.
 forests, vertical distribution Culicidae 9552.
 forests *Betula pubescens* , pest status, *Dineura virididorsata* / *Eriocrania* 8761.
 forests conifers, pollution effects, population dynamics, Aphididae 8748.
 forests/parks, succession, Carabidae 9502, 9531.
 forests soil properties, ecology Acari/Collembola 4721.

Habitats,(continued)

- forests streams, ecosystem dynamics, *Lepidostoma* 4858.
forests tropical environments, species composition Acrididae 9509.
freshwater environments, population studies, Coleoptera 8911.
glaciers ice, *Nanorchestes antarcticus* 4977.
grasslands, community structure, mathematical models, Insecta 5633.
grasslands, fertilizer applications/grazing effects on, Arthropoda 5471.
grasslands, pests Arthropoda, British Isles 4821.
grasslands, phenology/spatial distribution, Auchenorrhyncha 8649.
grasslands, population ecology, *Armadillidium vulgare* 5620.
grasslands, species composition, Sphaeroceridae 7803.
habitat selection, ecological genetics, *Drosophila melanogaster* larvae 6452.
habitat utilization, seasonal variations, Culicidae 8670.
heaths/forests, ecological distribution Coleoptera, Europe 4711.
high-altitude environments, cold tolerance adaptations, Insecta 7523.
Ischnura gemina, USA California 7799.
lakes, abundance/distribution seasonal variations, Chironomidae 8788.
lakes, community composition, Acari 9664.
lakes, community composition, Coleoptera 9663.
lakes, ecology Insecta, India 7109.
lakes, habitat preferences Gerridae, Canada British Columbia 7115.
lakes, Plecoptera fauna, Canada 7117.
lakes benthos, abundance, Chironomidae 9657.
leaf litter, decomposition, *Phthiracarus/Rhyssotritia ardua* 7019.
mangrove swamps mud, sampling, *Culicoides* 8315.
montane environments, ecology Sepsidae 9515.
orchards, attractants effects on predation 7882.
ponds, pollution effects, indicator organisms, Chironomidae 9530.
ponds, savannahs, community structure Coleoptera 7797.
pools, drought tolerance/survival Diptera 4864.
reservoirs, Chironomidae, Spain 8033.
reservoirs, environmental factors life cycles, *Heterocloeon curiosum* 9659.
resource partitioning, *Pardosa* 6270.
river, drift, Insecta 7915.
rivers, community composition, environmental factors, Chironomidae 8790.
rivers, community composition/pollution indicators, Chironomidae 7919.
rivers, drift, vertical distribution invertebrate larvae 7119.
rivers, ecological distribution Chironomidae, USSR Adzhar 7925.
rivers, ecology Simuliidae 7040.
roadsides plants, pest outbreaks, British Isles 5616.
salt marshes, energy flow, Tettigoniidae 6280.
sand, ecology Coleoptera 7192.
Sarracenia purpurea aquatic environments, *Sialis joppa* larvae 9754.
sewage treatment plants, ecology Insecta 7009.
soil, atrazine effects on Arthropoda communities 6382.
soil, check lists, Coleoptera, German Dem. Rep. Leipzig 7182.
soil, Collembola communities, USSR Caucasus 6267.
soil, Curculionidae, review 6383.
soil, food chains, trace metals, *Agelastica coerulea* - *Nephila clavata* 7013.
soil, nutrient content, *Formica* nests 7913.
soil, pollution effects DDT, Arthropoda 7914.
soil, population structure Protura, forests 4852.
soil, populations effects on, Formicidae 6381.
soil, relationship chromosomes, *Onychiurus/Acerentomon* 6415.
soil, sampling *Culicoides mississippiensis* 8308.
soil, separation techniques, Arthropoda 6716.
steppes, litter decomposition, Tenebrionidae 4768.
streams, community composition, Ephemeroptera 8789.
streams, community composition benthos Insecta 7917.
streams, detritus, effects on abundance Insecta 8792.
streams, dispersal, Insecta 7819.
streams, drift, Insecta 7921.
streams, phenology/distribution, Empididae 5723.
streams, pollution effects fenitrothion, Insecta 9662.
streams, populations production, Ephemeroptera 6385.
streams, vegetation changes effects on succession Insecta 6389.
streams benthos, species diversity, mining effects on 8793.
sub-alpine environments, community composition, Diplopoda 8926.
Sympetrum madidum larvae 4727.
taiga, human impact, population levels, Ixodidae 8664.
taiga, spatial distribution, Araneae 8652.
urban environments, behaviour/ecology *Blattella germanica* 5502.
Zea mays crop fields, abundance/distribution Carabidae 6285.
Habritoides,
new genus, Hungary 6650.
Habrobracon,
oogenesis, ethylurea/sodium nitrate effects on 4541.
Habrobracon juglandis,
age/diets effects on fat body 4406.
Habrocestum pulex,
predation Formicidae 7001.
Habrocycus semotus,
parasitism *Microplitis rufiventris* 6231.
Hadena,
new species, Sardinia 1520.
Hadena silenes,
new subspecies, Turkey 1520.
Hadena trisagittata,
new subspecies, Libya, Arab Rep./Cyprus 1520.
Hadogenes bicolor,
circadian rhythms, activity 229.
Haemaphysalis,
abundance/distribution, human impact 8664.
hosts/geographical distribution, USA Connecticut 3773.
new records, India Orissa 1401.
transmission tick-borne encephalitis virus 2035.
Haemaphysalis concinna,
transmission tick-borne encephalitis virus 7846.
Haemaphysalis hispanica,
parasitism *Lepus capensis* 1931.
Haemaphysalis leporispalustris,
distribution/phenology, Canada Nova Scotia 444.
first record, Canada Prince Edward I. 2242.
Haemaphysalis longicornis,
behaviour/diel activity, carbon dioxide effects on 5472.
chemical control 2992.
control/ecology 8696.
parasitism rabbits, immune response 7748.
Haematobia irritans,
antennae sensilla, ultrastructure 1626.

***Haematobia irritans*, (continued)**

chemical control 3017, 3909, 5638, 6313, 9568.
development, environmental factors 8532.
feeding, measuring techniques 5231.
oviposition site selection, environmental factors 5459.
population levels, grasslands forage effects on 2934.
puparia, humidity/temperature effects on 6146.
role nitrogen cycle, grasslands 2929.
sex differences, Malpighian tubules phosphates accumulation 4324.

sex pheromone 4448.
toxicity insecticides 9293.
toxicity monensin 9282.

Haematopinidae,

chemical control 5637.
22,23-dihydroavermectin B toxicity 2658.
parasitism 438, 2038, 2846, 3005.
reproductive systems 8505.
toxicity insecticides 5376.

***Haematopinus eurysternus*,**

chemical control 5637.

***Haematopinus suis*,**

22,23-dihydroavermectin B toxicity 2658.
infestations pigs 2038.
toxicity chlorpyrifos 5376.

***Haematopinus tuberculatus*,**

oocytes 8505.
parasitism buffalo, seasonal variations, India Rajasthan 3005.
parasitism *Camelus dromedarius* 438.

***Haematopota*,**

new species, Mali 9055.
new species/new records, France 3359.

***Haematopota rara*,**

new records, Canada New Brunswick 1404.

Haemocytes,

see **Cells, Haemolymph**

***Haemodipus lyriocephalus*,**

parasitism *Lepus capensis* 1931.

***Haemogamasus oudemansi*,**

first record, Poland 2937.

***Haemogamasus suncus*,**

first record, Thailand 4137.

***Haemolaelaps*,**

new species, Australia 8095.
new species, China, People's Rep. 7249.
review, Australia 757.

Haemolymph,

amino acids, diapause, *Heliothis armigera* 6037.
amino acids, *Lepisma saccharina* 9219.
amylase activity, development, *Bombyx mori* 1677.
antifreeze agents, freezing tolerance, Arthropoda 2611.
biochemistry, Araneidae 3493.
blood flow, *Trypanosoma* infection effects on, *Glossina* mouthparts 2562.
chemosterilants effects on, *Pyrrhocoridae* 3490.
circulatory system, Insecta, book 734.
cold tolerance, Insecta 5344.
ecdysones, *Hyalophora cecropia* pupae 3547.
haemocytes, adherence properties, *Bombyx mori* 1650.
haemocytes, anaerobiosis, *Periplaneta americana* 2500.
haemocytes, *Chrotogonus trachypterus* / *Acrida exaltata* 1653.
haemocytes, *Drosophila melanogaster* larvae 3496.
haemocytes, *Glossina* 2560.
haemocytes, haemagglutinins, opsonization, *Clitumnus extradentatus* / *Periplaneta americana* 942.
haemocytes, immature stages, *Choristoneura fumiferana*

3492.

haemocytes, Insecta, book 2263.

haemoglobin, haem isomers, *Chironomus thummi* 943, 944, 945.

hormones, *Locusta migratoria* 9224.

hormones, regulation sugars, *Manduca sexta* 2561.

immune response, *Beauveria bassiana* infection, *Galleria mellonella* larvae 3574.

ions, L-canavanine effects on, *Manduca sexta* 4386.

juvenile hormones esterase, *Galleria mellonella* / *Tenebrio molitor* 1685.

juvenile hormones esterase/proteins, *Trichoplusia ni* 2744.

lipids, brain/corpora allata effects on, *Achaea janata* 2600.

lipids, *Diatraea saccharalis* 5311.

lipoproteins, *Periplaneta americana* 6780.

manducin, *Manduca sexta* 3497.

osmotic pressure, *Dermestes* / *Galleria* / *Pieris* / *Tenebrio* 1711.

proteins, amino acids effects on, *Bombyx mori* larvae 3517.

proteins, metamorphosis, *Galleria mellonella* 1673.

proteins, *Peripatus acacioi* 2596.

proteins, *Pieris rapae* pupae 5304.

proteins, purification/characterization, *Bombyx mori* 941.

sugars, circadian rhythms, *Diplonychus indicus* 2556.

sugars, *Dermacenter andersoni* 3511.

trehalose levels, neurotransmitters effects on, *Periplaneta americana* 1651.

water balance, environmental effects, Lepidoptera 2614.

***Haemoplotina*,**

new species, Borneo 7275.

***Hafenferrefia*,**

new species, USSR 9.

***Hahnia*,**

new species, Kenya 5068.

taxonomy 8977.

Hahniidae,

new species, Brazil 1429.

new species, Kenya 5068.

taxonomy 8977.

***Hahniops*,**

taxonomy 8977.

Haiti,

new species Ceratopogonidae 3343.

new species Pentatomidae 816.

new species Veliidae 4251.

***Halacarellus*,**

new species, USA 2276.

Halacaridae,

check lists/new species, USA 7246.

ecology/geographical distribution, beaches, Norway 4723.

new species/check lists, USA Rhode Island 2276.

reproduction 4992.

***Halarachne*,**

new species, Hawaii 2277.

review, Australia 757.

Halarachnidae,

taxonomy 2277.

***Halesus radiatus*,**

chromosomes 4043.

***Halesus rubricollis*,**

morphology/geographical distribution, German Dem. Rep. 4337.

Halictidae,

behaviour/biology 8778.

behaviour/pollination 8637.

caste differentiation 2108.

commensalism 4161.

Halictidae,(continued)

development 8777.
 flight 1973.
 nesting behaviour 381.
 new records, Italy 9734.
 new species, Papua New Guinea 3377.
 parasitism 4672.
 pollen robbing behaviour, interspecific interactions 374.
 pollination 7772.
 taxonomy 5169, 5170.

Halictophagidae,

new species, British Isles 5219.
 new species, Sri Lanka 2443.
 parasitism Cicadellidae, USA Kansas 436.

Halictophagus,

new species, British Isles 5219.

Halictus,

biology/social behaviour 8778.
 new records, Italy 9734.

Halictus ligatus,

pollen robbing behaviour, interspecific interactions 374.

Halilidae,

ecology/check lists, Italy Lucania 664.
 new records, Yugoslavia 1369.
 new species, USSR 52.
 new species/check lists, Gabon/Ivory Coast 2298.

Haliplus,

new species, USSR 52.

Halobates,

abundance/zoogeography, Pacific Ocean 9718.

Halobates micans,

cadmium pollution levels 6384.

Halobates robustus,

anti-predator behaviour/aggregation behaviour 3748.
 feeding/aggregation behaviour 6942.

Halocladus brauni,

first record, British Isles 6477.

Halothane,

resistance, *Drosophila melanogaster* 1344.

Haltea,

taxonomy 9375.

Haltea caerulea,

carboxylesterase, characterization 4427.

Haltea cyanea,

weed control *Ludwigia* 5659.

Halticoptera,

new species, Argentina 94.

Halticotoma valida,

first record, USA New Mexico 4146.

Hambletonia pseudococcina,

first record, Taiwan 8061.

Hambletoniola,

taxonomy/phylogeny 811.

Handschinia,

new species, Solomon Is. 6641.

Hanseniella nivea,

ogenesis 8551.

Hansonoperla,

new genus, USA 7403.

Haplaxius crudus,

yellow vectors, *Cocos nucifera*, USA Florida 3811.

Haploa confusa,

host plants, new records 3803.

Haplodesmidae,

new records, Fiji 3192.

Haplorhynchites aeneus,

host status, *Helianthus annuus*, USA Georgia 1244.

Haplothrips,

taxonomy 4302.

Haplothrips tritici,

predation 6941.

Haplozetidae,

new species, Egypt, Arab Rep. 8098.

new species, Philippines 2280.

Harmiella,

new genus, Brazil 1429.

Harminius,

taxonomy 51.

Harmonia,

new species, Borneo 7275.

Harmonia conformis,

predatory behaviour 385.

Harmostes reflexulus,

resource partitioning, *Senecio smallii* 9545.

Harpactea,

new species, Iran 7256.

new species, Spain 6558.

new species/new records, Italy 5819.

Harpagophoridae,

taxonomy 870.

Harpalus,

revision 7270.

Harpalus affinis,

insecticides toxicity 2682.

Microctonus parasites, Canada 96.

Harpalus circumpunctatus,

larvae/biology 3439.

Harpalus nigritarsis,

new records, Sweden 8026.

Harpegnathus saltator,

glands, abdomen 1727.

Harpobittacus australis,

courtship/mating behaviour 1855.

Harpocera thoracica,

antennae, adhesive structures 8353.

Hatching,

acaricides effects on, *Boophilus microplus* 1042.

carbon dioxide/nitrogen effects on, *Ephestia* 1803.

colchicine effects on, *Chrysomya megacephala* 2712.

environmental effects, *Aedes sierrensis* 1795.

environmental effects, *Amblyomma americanum* 2734.

environmental effects, *Gonia cinerascens* eggs 2733.

humidity effects on, *Dacus oleae* 2737.

humidity effects on, weird mutant *Tribolium castaneum* eggs

628.

juvenile hormones analogues effects on, *Rhodnius prolixus*

3629.

Nezara viridula strains 3631.

Orgyia pseudotsugata 3722.

overwintering eggs, temperature requirements,

Pseudatomoscelis seriatus 1034.

seasonal variations, *Aedes* eggs 1827.

seasonal variations, *Nephila clavipes* 1911.

Sialis 920.

temperature effects, *Ecdyonurus* /*Rhithrogena* 3638.

temperature/humidity effects on, *Tetranychus urticae* 1031.

temperature requirements, *Philaenus spumarius* 1036.

Hatena,

new species, Malaysia 8092.

Hauptidia,

taxonomy 8231.

Hawaii,

Lepidoptera, book 738.

Hawaii,(continued)

new species Halarachnidae 2277.

revision *Saldula* 4249.**Head,**compensation movements, orienting response, *Lucilia serricata* 2552.cuticle, *Triatoma infestans* 1601.cysts, *Formica* 1590.frontal pits, ultrastructure, *Trissolcus simoni* 9152.glands, *Solenopsis invicta*, castes 272.morphology, *Lymantria obfuscata* larvae 3441.morphometry, *Kalotermes flavicollis* 2469.movements, stimulation halteres effects on, *Calliphora* 1644.relationship octopamine content/pigmentation, *Locusta migratoria* 1680.skeleton/muscles, *Belostoma indicum* 1589.thermoregulation, *Apis mellifera* 270.**Hearing,**see **Senses****Heart,**aorta, neurosecretion, exocytosis, oviposition, *Labidura riparia* 3567.

circulatory system, Insecta, book 734.

electrical properties/embryology/ultrastructure, *Acheta domestica* 946.heart rate, carbon dioxide effects on, *Bombyx mori* 1652.physiology, motor activity, *Calliphora vomitoria* 3491.**Heart-beat,**see **Heart****Heat,**see **Temperature****Heaths,**occurrence/population density *Linyphia tenuipalpis*, Denmark 2939.**Heavy metals,**

chromium, pollution indicators, Ephemeroptera 9658.

toxicity, *Chironomus tentipes* 6853.**Hebestola,**

taxonomy 1026.

Hebriidae,

immature stages 8337.

Hebriochernes,

new species, New Caledonia 7264.

Hebrolethaeus,

new species, Australian Region 8218.

Hecalapona,

new species, Neotropical Region 7342.

Heizmannia,

new species, Japan 1476.

Heleomyzidae,

new species/new records, Neotropical Region 8190.

pests 551.

Helichus lithophilus,

emergence/flight, environmental factors 5492.

Helicoconis,

new species, India 6686.

Heliconiidae,

biology/ecology 3839.

host plants 4700.

Heliconius,

coevolution host plants, eggs mimicry 9483.

food selection, *Passiflora* leaves 4700.

oogenesis/oviposition 5437.

oviposition, host plants effects on 6173.

pollen resource exploitation 6966.

Heliconius hecale,

oviposition, host selection 356.

Heliconius xanthocles,

biology/ecology 3839.

Helicoverpa armigera,

coloration, larvae 268.

seasonal variations abundance/activity, India 3093.

Heligmoneura,

new species/keys, India 2354.

Heliodinidae,

review/check lists, Iberian Peninsula 691, 1379.

Heliothinae,

taxonomy, species identification 125.

Heliothis,*Autographa californica* nuclear polyhedrosis virus, pathology 5372.

biological control 6349, 7872.

chemical control 3937, 9616.

chemical control/natural enemies, *Gossypium* crop fields, USA Mississippi 1164.

eggs, parasitism 3048.

host plants 3787.

hybrids, spermatogenesis 4577.

integrated control 3956.

natural enemies, Australia New South Wales 501.

pest control/pest resistance *Medicago sativum* 2086.

predators identification, radioactive labelling 1989.

rearing equipment, diets 2451.

spermatzoa, hybrids 7587.

taxonomy 5197.

taxonomy, species identification 125.

toxicity fatty acids esters 1755.

traps 6713.

Heliothis armigera,

biological control 8668.

chemical control 6358, 8740.

chemical control, *Gossypium hirsutum*, Burundi 3044.chemical control/*Earias insulana*, chemical control 7879.damage/pest resistance *Sorghum vulgare* 2878.

development, mathematical models 1551.

development/reproduction, food plants effects on 2713.

diets, nutritive value *Spirulina geitleri* 5976.

emergence, temperature effects 8531.

flight activity, phenology 9432.

food plants 3778.

haemolymph amino acids 6037.

host selection, early experience 9488.

larvae, behaviour/pest status, Thailand 2777.

life cycles/pest status, *Gossypium hirsutum* 7902.

life tables 2797.

life tables/population growth 3731.

pest status, *Cajanus cajan*, India Uttar Pradesh 3096.pest status/damage *Gossypium*, India 2076.

pesticide resistance, Australia New South Wales 308.

pheromone traps 973.

population dynamics 3874, 7806.

population dynamics/development, temperature effects 6150.

population growth 9532.

population growth, host plants effects on 7023.

rearing, methodology 3428.

sex pheromone 1707, 3552, 4444.

Heliothis virescens,artificial infestations *Gossypium hirsutum* 3107.

biological control 3103.

chemical control 550, 3944, 4811.

chemical control/toxicity sulprofos 2082.

cultural control 5672.

damage *Nicotiana tabacum*/pests management 3063.

development/glycogen levels, parasitism effects on 3523.

***Heliothis virescens*, (continued)**

diapause induction, environmental factors 9319.
 diapause termination, environmental factors 9320.
 fatty acids metabolism 8410.
 food consumption/metabolism, parasitism effects on 7734.
 growth, host plants pollen effects on 1152.
 growth regulators 3630.
 haemocytes, measuring techniques 9118.
 insecticides toxicity 3610.
 larvae, cannibalism/predation, behavioural genetics 4077.
 larvae, size, effects on predation *Geocoris punctipes* 2930.
 larvae, susceptibility *Bacillus thuringiensis*, age/antibiotics effects on 9265.
 metabolism glycerolipids 6819.
 parasitism 6235.
 pest resistance *Gossypium hirsutum* 8643.
 pest status, *Helianthus annuus*, USA Georgia 1244.
 pest status, *Nicotiana tabacum* 5688.
 pesticide resistance, enzymes activity 256.
 pesticide resistance cis-permethrin/fenvalerate/methyl parathion 1775.
 pupation, hormones 9343.
 toxicity methomyl, eggs 6103.
***Heliothis zea*,**
 attractants 1706.
 biological control/chemical control 3056.
 biological control/*Entomophthora aulicae* infection 3055.
 cells, baculovirus induction, nuclear polyhedrosis virus superinfection 9264.
 chemical control 557, 3966, 4807, 5706, 9632.
 chemical control/toxicity sulprofos 2082.
 control, weeds mangement 4846.
 cultural control 1248.
 cultural control/pest resistance *Glycine max* 8739.
 damage *Glycine max* 1135.
 damage *Gossypium*, mathematical models 3963.
 equipment, sprays, infestations eggs, *Lycopersicon* 2456.
 feeding/oviposition behaviour, *Panicum miliaceum* 9476.
 food preferences 6960.
 immature stages, spatial distribution, mathematical models 3898.
 larvae, toxicity rose bengal 311.
 mating disruption, attractants, equipment 4837.
 nuclear polyhedrosis virus, assays 9130.
 nutrition, cholesterol 8405.
 oxygen consumption, *Nomuraea rileyi* infection. effects on 6848.
 pest resistance *Glycine max* 7768.
 pest status, *Helianthus annuus*, USA Georgia 1244.
 population density, environmental effects 494.
 pupae, chitin biosynthesis 3453.
 RNA polymerase 4418.
 toxicity aflatoxins 297.
***Helius*,**
 new species, Ecuador 1488.
***Helleria brevicornis*,**
 development, amputation/regeneration leg effects on 8508.
***Helleriella*,**
 new species, Belize/Costa Rica/Mexico 7280.
***Helodes*,**
 check lists/new species, Bulgaria (People's Rep.) 8144.
 new species, Greece 53.
***Helodes pseudominuta*,**
 first record, Greece 53.
***Helodidae*,**
 new species, Cocos (Keeling) Is. 5859.

new species, India 5858.
 new species, New Caledonia 2322.
 new species, Oriental Region 5860.
 new species, Papua New Guinea/Sumatra 4201.
 new species, USSR 5861.
 new species, Viet Nam 2321.
 new species/new records, Greece 53.
 populations 5593.
 taxonomy/zoogeography 8144.
***Helodon*,**
 taxonomy 7317.
***Helomyzidae*,**
 new species, Hungary 1480.
 taxonomy 9042.
***Helopeltis antonii*,**
 pest status, *Moringa oleifera*, India 3964.
***Helophorus*,**
 life cycles/habitat utilization/dispersal 1891.
***Heloridae*,**
 taxonomy 1513.
***Helorus*,**
 taxonomy 1513.
***Helosclomyza subalpina*,**
 biology/morphology/ecology 1076.
***Helosciomyzidae*,**
 biology 1076.
 immature stages 896.
 taxonomy 9043.
***Hemerobiidae*,**
 check lists/new records, Mongolia, People's Rep. 7394.
 natural enemies *Acyrtosiphon kondoi* 3892.
 new records, France 4130.
 predation 6221.
 taxonomy 3404.
 taxonomy/new records, Australia 6687.
 toxicity insecticides 7565.
***Hemerobius*,**
 taxonomy/new records, Australia 6687.
***Hemerobius poppii*,**
 first record, Mongolia, People's Rep. 7394.
***Hemerobius stigma*,**
 oviposition, temperature effects 6142.
***Hemerodromia*,**
 new species, USSR 5887.
***Hemicordulia tau*,**
 flight equilibrium, role ocelli 6770.
 life cycles/predation 7697.
***Hemideina*,**
 reproductive behaviour 1095.
***Hemideina femorata*,**
 chordotonal organs 6775.
***Hemileuca oliviae*,**
 larvae, growth 7445.
 thermoregulation behaviour 1879.
***Hemilexomyia*,**
 new species, New Zealand 1508.
***Hemilucilia nubipennis*,**
 taxonomy 3340.
***Hemiptera*,**
 zoogeography, Sudan (Dem.Rep.) 4104.
***Hemisodorus*,**
 new species, Malaysia/Sumatra 6585.
 new species, Viet Nam 2325.
***Hemisphaerica*,**
 population dynamics 508.
***Hemitarsonemus latus*,**
 chemical control, *Gossypium hirsutum*, Burundi 3044.

- Henicopidae**,
taxonomy 9110.
- Heniocha marnois**,
larvae 5248.
- Henosepilachna**,
development, diets/photoperiod effects on 2722.
- Henosepilachna vigintioctopunctata**,
pest status/damage, *Solanum melongena*, India 3085.
radiosensitivity, sex differences 6899.
- Hepialidae**,
feeding 3753.
new species, USA 119.
pathology 3581.
sampling 3431.
viruses 3957.
- Hepialus**,
new species, USA 119.
- Heptachlor**,
toxicity/effects on respiration, *Atta laevigata* 1017.
- Heptagenia**,
taxonomy 808, 5903, 6627.
- Heptageniidae**,
biology 3734.
book 730.
ecology 3998.
hatching 3638.
new species, Afghanistan/USSR 6629.
new species, Mongolia, People's Rep. 808, 5904.
new species, Nepal 5905, 6628.
new species, USSR 807, 2379, 4243, 5898, 7326.
phoresy 3120.
taxonomy 5903, 5906, 6627.
- Heptodonta**,
new species, Philippines 6569.
taxonomy 9006.
- Herbicides**,
atrazine effects on soil Arthropoda 6382.
- 2,4-D + *Rhinocyllus conicus*, weed control *Carduus nutans* 5687.
- 2,4-D, toxicity *Ceuthorrhynchidus horridus* 1008.
- Hercinotrips femoralis**,
chemical control/host selection 6351.
- Hercostomus**,
new species, Japan 1477.
- Herpetacarus**,
new species, Gabon 4163.
- Herse convolvuli**,
geographical distribution, Spain 9739.
- Hersperia mystic**,
taxonomy 120.
- Hesperapis carinata**,
first record, USA Illinois 7227.
- Hesperiidae**,
check lists, Taiwan 6519.
chromosomes 8826.
coloration 9240.
development 4568.
development/excretory systems 6160.
new records, Italy 696.
new records, USA Kentucky 2252.
new species, Brazil 847, 853.
new species Panama/Ecuador 5190.
new subspecies, Afghanistan 2430.
nucleoli 1843.
predation 7002.
taxonomy 120, 2429, 5189.
zoogeography 2233.
- Hesperodes**,
taxonomy 3353.
- Hesperolpium**,
new species, USA 4180.
- Hesperoperla pacifica**,
competition, interspecific interactions *Calineura californica*,
resource utilization 3122.
- Hesperotyphlus**,
new species, Portugal 3332.
- Hetaerina americana**,
feeding, swarming behaviour 412.
- Hetaerister**,
taxonomy 786.
- Heteracris**,
DNA content 8806.
- Heteracris littoralis**,
host preferences, development/survival 5553.
- Heterarthrus ochropoda**,
taxonomy 2413.
- Heterelis**,
taxonomy 104.
- Heterhydrus**,
new species, Ghana 5097.
- Heterobathmia**,
new genus, Argentina 1519.
- Heterobathmiinae**,
new taxa 1519.
- Heterocloeon curiosum**,
life cycles, environmental factors, reservoirs 9659.
- Heterodispus**,
new species, Indonesia/Malaysia 6551.
- Heterogynidae**,
new records, Spain Navarra 3233.
taxonomy 2431.
- Heterogynis penella**,
phenology/geographical distribution, Spain Navarra 3233.
- Heterolpium**,
new genus, India 7263.
- Heterometrus fulvipes**,
giant axons, anatomy/physiology 3472.
heart, carbohydrates metabolism 3543.
venom, toxicology 3602.
- Heterometrus scaber**,
venom biochemistry 6832.
venom proteins 6833.
- Heteromurus nitidus**,
orientation, rheotaxis 4600.
- Heteronebo**,
new species, Dominican Rep. 5832.
- Heteronychia**,
new species, Turkey 803.
- Heteronychus arator**,
biological control 3984.
diets effects on lipids levels/fecundity 3634.
dispersal/geographical distribution, New Zealand 3814.
larvae, food consumption/growth, host plants 7757.
Leguminosae phytoalexins effects on feeding 1141.
natural enemies, South Africa 3868.
pest resistance Leguminosae, feeding deterrents 3794.
population dynamics, grasslands species composition effects
on 3844.
reproduction, *Adelina* infection effects on 3576.
sampling, soil/pitfall traps 3869.
- Heteronympha merope**,
feeding behaviour, *Eucalyptus* sap 6964.
- Heteronyx obesus**,
population dynamics/host plants 3875.

- Heteropeza pygmaea***,
pest status, mushrooms, Australia 2096.
sex determination 4053.
- Heteroplectron americanum***,
life cycles/population dynamics 1092.
- Heteropoda venatoria***,
sound production 1735.
- Heteroptera**,
biology 9377.
check lists, Belgium aquatic environments 5770.
communities 6890.
evolution 7986, 7987.
glands 6076, 7533.
glycogen storage 1671.
host plants 6245.
parasitism 6230.
predation 2828.
sound production 8448.
sterilization 6155, 6900.
zoogeography 6480, 6509, 9732.
- Heterotermes ferox***,
baits 7410.
- Heterotermes indicola***,
chemical control 2091.
pest status, Nepal Kathmandu 5780.
toxicity/effects on development diflubenzuron 7615.
wings ultrastructure, evolution 9716.
- Heterothrips***,
taxonomy/phylogeny 2444.
- Hexagenia limbata***,
larvae, pathogenicity *Spinitectus carolini* 2651.
- Hexathelidae**,
taxonomy/zoogeography 5069.
- Hexura***,
new species, USA 761.
- Hexura picea***,
taxonomy 761.
- Hexurella***,
new genus, USA/Mexico 761.
- Hilaira***,
taxonomy 8017.
- Hilara***,
new records, Czechoslovakia 7197.
- Hinatara nigripes***,
first record, Hungary 2413.
- Hippoboscidae**,
check lists, Mongolia, People's Rep. 8030.
medical importance, man, Switzerland 2022.
new records, Belgium 1370.
new records/parasites birds, Czechoslovakia 673.
parasitism 3920.
taxonomy 6613, 9044.
- Hippodamia***,
aggregation/migration 6933.
- Hippodamia convergens***,
cold hardiness, physiology 4468.
energetics, mathematical models 7795.
flight behaviour, hormones regulation 225.
migration, environmental effects 1037.
pollution effects 5671.
predation effects on dispersion Aphididae 2947.
toxicity sulprofos 2082.
traps, colour preferences 2970.
- Hippodamia tredecimpunctata***,
population dynamics 6293.
- Hippodamini**,
check lists, Iberian Peninsula 4997.
- Hippopsis***,
new species, Bolivia/French Guiana 775.
- Hishimonus phycitis***,
chromosomes 6406.
- Hishimonus sellatus***,
vectors, mycoplasmas, *Morus alba* 5317, 5563.
- Hispidae**,
weed control *Lantana camara* 6238.
- Hister**,
taxonomy 786.
- Histeridae**,
new species, Morocco 6579.
new species, Nearctic Region 3318.
new species, South Africa 6578.
new species, Sri Lanka 1454.
new species, USSR 1453.
pathology 289.
taxonomy 786, 7285.
- Histiosoma cataglyphi***,
life cycles/immature stages 5499.
- Histiostoma***,
new species/first record, Israel 6543.
- Histology**,
antennae sensilla, Coccoidea 220.
- Historis odius***,
feeding 416.
- Hodotermitidae**,
castes 8387.
check lists, Saudi Arabia 2417.
chemical control 1220.
development physiology 5431.
digestive systems 4387, 5291.
foraging behaviour 1082.
fossils 5182.
metabolism 243, 247.
nests 2107.
nests fungi 1272.
pests 2087, 2100, 2228.
reproduction 7645.
zoogeography 3217.
- Hoenimnema***,
new species, China, People's Rep. 6674.
- Holarctic Region**,
revision *Parablastothrix* 8248.
- Holarthrothrips***,
taxonomy/phylogeny 2444.
- Holocranum***,
taxonomy 7330.
- Holencyrtus***,
new species, USA 7357.
- Holocentropus stagnalis***,
first record, Denmark 3240.
- Holocoeila***,
taxonomy 7362.
- Holocoeiliella***,
taxonomy 7362.
- Holodara***,
food preferences, gut adaptations 1661.
- Holopogon heideni***,
first record, Czechoslovakia 4110.
- Holoschiza abyssinica***,
taxonomy 789.
- Homalictus***,
new species, Papua New Guinea 3377.

Homalodisca,
biology/ecology USA Florida 3094.

Homoeoneuria,
revision 5133.

Homoeosoma,
new species, India 4287.

Homoeosoma electellum,
pest status, *Helianthus annuus*, USA Georgia 1244.
sex pheromone 1703.

Homona coffearia,
development, copper effects on 2724.
nutrient requirements, fatty acids 3502.

Homona magnanima,
pathogenicity granulosis virus 6843.

Homoneura,
taxonomy 6600, 8173.

Homoptera,
biology 5521.
ecology 3842.

evolution 7986, 7987.
growth regulators 6141.

immature stages 8343.

life cycles 6205.

microscopy, cold immobilization 877.

new records, British Isles Kent 6481.

parasitism 6983.

pests, *Mangifera indica*, Pakistan Karachi 3099.

pheromones 6056.

symbionts, review 916.

taxonomy 5915, 6637.

taxonomy, book 3267.

vector-borne diseases 6250.

zoogeography 5772, 6525, 8939.

Honduras,
new species Cleridae 5849.

Honeydew,
see **Excretion**

Hong Kong,
new records *Periplaneta* 2297.

Hoplisus sepultus,
taxonomy 3380.

Hoplitis,
new species, Turkey 4270.

Hoplitis biscutellae,
nests 5505.

Hoplitocoris,
taxonomy 7329.

Hoplocampa,
taxonomy 8255.

Hoplocampa testudinea,
first record, Canada Quebec 2248.

oviposition behaviour 5457.

pathology, fungi 3588.

Hoplophorella,
new species, Java 3275.

Hoplopleura,
check lists, Argentina 5793.

Hoplopleura disgrega,
morphology 2472.

Hoplopleuridae,
morphology 2472.

new species, Pakistan 8110.

parasitism 1931, 2851.

zoogeography 5793.

Horia fabriciana,
first record, Sri Lanka 2326.

Horisme,
new records, Spain 6515.

Horistonotus,
new species, Argentina 5098.

Hormius,
new species, USSR 95.

Hormius moniliatus,
new records, USSR 95.

Hormones,
see also **Juvenile hormone**, **Ecdysone**, **Ecdysterone**
adipokinetic hormone effects on flight, *Locusta migratoria* 2513.

adipokinetic hormone/hyperglycaemic hormone
characterization, Phasmatidae 3546.

Bombycidae, review 3088.

brain, reproduction *Aedes aegypti* 5433.

brain/corpora allata effects on lipids release, *Achaea janata* 2600.

chloride transport stimulating hormone, characterization,
Locusta migratoria 4435.

cocoons spinning, *Ephestia kuehniella* 6189.

development, *Bombyx mori* 8548.

development Malpighian tubules, *Calpodes ethlius* 6160.

diapause, *Sarcophaga crassipalpis* 5401.

diapause, serum albumen injection media, *Bombyx mori* 1695.

diuresis hormones, *Calliphora vicina* 4434.

diuresis hormones, *Danaus plexippus* 4397.

β -ecdysone, induction acetylcholinesterase, *Drosophila* cell
lines 4931.

ecdysone/juvenile hormones role diapause, *Manduca sexta* 1793.

ecdysone/prothoracicotropic hormone, development *Ostrinia
nubilalis* 5440.

ecdysone regulation, neurosecretion, *Locusta migratoria* 3669.

ecdysones, cell culture, *Manduca sexta* 8350.

ecdysones, chromosomes puffing, *Drosophila* 8856.

ecdysones, effects on toxicity formaldehyde, *Bombyx mori* 8464.

ecdysones, eggs, *Schistocerca gregaria* 8429.

ecdysones, electrical properties epidermis, *Tenebrio molitor* 4343.

ecdysones, embryogenesis, *Leucophaea maderae* 6047.

ecdysones, embryos, cuticle, *Locusta migratoria* 4528.

ecdysones, fat body autologous phagocytosis, *Pieris
brassicae* 6134.

ecdysones, fluorometry, *Calliphora vicina* 6045.

ecdysones, *Hyalophora cecropia* pupae 3547.

ecdysones, imaginal discs, *Drosophila melanogaster* 4564.

ecdysones, imaginal discs development, *Galleria mellonella* 4521.

ecdysones, ions transport, epidermis, *Tenebrio molitor* 6002.

ecdysones, levels, leg regeneration effects on, *Acheta
domestica* 8509.

ecdysones, metabolism, *Stomoxys calcitrans* larvae 7494.

ecdysones, metamorphosis, *Galleria mellonella* 3662.

ecdysones, metamorphosis *Calpodes ethlius* 4568.

ecdysones, ovary/eggs, *Schistocerca gregaria* 8543.

ecdysones, regulation vitellogenesis, *Aedes aegypti* 6162.

ecdysones, reproduction/diapause, *Leptinotarsa
deceimlineata* 7633.

ecdysones, sexual receptivity, Culicidae 4578.

ecdysones, vitellogenesis, *Aedes atropalpus* 7631.

ecdysones, *Xyleborus ferrugineus* 7650.

ecdysones binding, salivary gland chromosomes,
Chironomus tentans 8857.

ecdysones diets, development, *Musca domestica* 4562.

ecdysones effects on digestion, *Anopheles freeborni* 6030.

Hormones,(continued)

- ecdysones induction, acid phosphatase, *Calliphora erythrocephala* 4413.
- ecdysones levels, seasonal variations, *Iphiclide podalirius* 8427.
- ecdysones relationship neurosecretion axons activity, *Rhodnius prolixus* 2521.
- ecdysones secretion, leg oenocytes, *Opiliones* 9222.
- ecdysteroids, levels, haemolymph, *Galleria mellonella* larvae 3658.
- ecdysteroids, metamorphosis regulation, muscles, *Calliphora erythrocephala* 9349.
- ecdysteroids inactivation/reactivation, *Sarcophaga peregrina* 9351.
- ecdysteroids/juvenile hormones, haemolymph, *Locusta migratoria* 3671.
- ecdysteroids production, prothoracic gland, *Periplaneta americana* 9254.
- ecdysterone, effects on haemolymph vitellogenin, *Sarcophaga bullata* 7601.
- ecdysterone effects on moulting, *Jonespeltis splendidus* 6137.
- ecdysterone/juvenile hormones, vitellogenesis, *Drosophila melanogaster* 3676.
- ecdysterone/juvenile hormones effects on cuticle, *Tenebrio molitor* 328.
- effects on brain, *Calliphora erythrocephala* 8364.
- effects on feeding/digestion, *Dysdercus cingulatus* /*Hyblaea puera* 9194.
- effects on haemolymph lipids, *Danaus plexippus* /*Cynthia cardui* 7484.
- effects on metabolism, fat body, *Blaberis discoidalis* 8398.
- effects on nuclear polyhedrosis virus development, *Bombyx mori* 1741.
- effects on oogenesis, *Aedes atropalpus* 7612.
- effects on pupae coloration, *Pieris* 269.
- emergence behaviour, *Hyalophora cecropia* 9187.
- endocrinology, methodology, book 8957.
- fibroin mRNA, corpora allata effects on biosynthesis, silk gland, *Bombyx mori* 2623.
- glycogen phosphorylase activation, fat body, *Locusta migratoria* 8397.
- haemocytes regulation, haematopoiesis, *Antheraea pernyi* 1690.
- hydrocortisone effects on development, *Insecta* 5441.
- 20-hydroxyecdysone levels, *Anthonomus grandis* pupae 969.
- hyperlipaemic hormone, secretion, neural control, *Locusta migratoria* 6821.
- Insecta*, review 1721.
- insulin analogues, digestive systems, *Apis mellifera* 9225.
- juvenile hormones, assays 8316.
- juvenile hormones, development, *Galleria mellonella* 9353.
- juvenile hormones, development *Megoura viciae* 4560.
- juvenile hormones, diapause *Ostrinia nubilalis* 6130.
- juvenile hormones, diapause proteins, *Diatraea grandiosella* 4537.
- juvenile hormones, effects on development, *Plutella xylostella* 9325.
- juvenile hormones, effects on gonotrophic cycles, *Musca domestica* 6880.
- juvenile hormones, effects on ploidy, *Locusta migratoria* 9352.
- juvenile hormones, esterase, regulation, *Trichoplusia ni* 7535.
- juvenile hormones, genes, *Drosophila melanogaster* 4916.
- juvenile hormones, *Locusta migratoria* 6046.
- juvenile hormones, measuring techniques, *Pieris brassicae* 4318.
- juvenile hormones, metamorphosis, *Aeshna cyanea* 4542.
- juvenile hormones, metamorphosis *Spodoptera littoralis* 4580.
- juvenile hormones, nutrition effects on, *Aedes aegypti* 4573.
- juvenile hormones, oogenesis, *Leucophaea maderae* 5323, 9342.
- juvenile hormones, oogenesis *Leucophaea maderae* 4570, 4576.
- juvenile hormones, polymorphism, *Aphis fabae* 8544, 8545.
- juvenile hormones, proteins biosynthesis, accessory gland, *Rhodnius prolixus* 7530.
- juvenile hormones, role, diapause, *Ostrinia nubilalis* 2704.
- juvenile hormones, sex pheromone response, *Choristoneura fumiferana* 4377.
- juvenile hormones, starvation, *Schistocerca gregaria* 4566.
- juvenile hormones, wings development/differentiation, *Aphis nerii* 7604.
- juvenile hormones activity, vitellogenesis, *Aedes aegypti* 6165.
- juvenile hormones analogues, caste determination, *Macrotermes michaelsoni* 5420.
- juvenile hormones analogues, development, *Oncopeltus fasciatus* 8520.
- juvenile hormones analogues, synthesis/biological activity 9226.
- juvenile hormones analogues, *Tenebrio molitor* 9221.
- juvenile hormones analogues effects on development, *Ixodes* 4552.
- juvenile hormones analogues effects on oenocytes, *Eurygaster integriceps* 9307.
- juvenile hormones biosynthesis, *Manduca sexta* 6159.
- juvenile hormones biosynthesis, starvation effects on, *Periplaneta americana* 8408.
- juvenile hormones effects on corpora allata, *Diploptera punctata* 5430.
- juvenile hormones regulation, *Aedes aegypti* 6906.
- juvenoids, effects on embryogenesis, *Apis mellifera* 6140.
- moulting, pupae, *Manduca sexta* 7636, 7637.
- neurosecretion, octopamine, *Locusta migratoria* 7464.
- oogenesis, *Aedes aegypti* 5432.
- oogenesis, *Panstrongylus megistus* 3672.
- oogenesis, *Rhodnius prolixus* 4565.
- precocene, effects on vitellogenesis, *Locusta migratoria* 7623.
- precocene, inhibition flight muscle degeneration, *Dendroctonus rufipennis* 1817.
- precocene analogues, effects on metamorphosis, *Myzus persicae* 8529.
- precocene effects on development, *Locusta migratoria* 3654.
- precocene effects on development *Argas persicus* /*Ornithodoros coriaceus* /*Rhipicephalus sanguineus* 342.
- precocene effects on development behaviour/development, *Locusta migratoria* 5423.
- precocene effects on metamorphosis, *Schistocerca gregaria* 5424.
- precocene effects on migration, *Oncopeltus fasciatus* 4543.
- precocene effects on vitellogenesis, *Drosophila melanogaster* 341.
- precocene toxicity, *Pediculus humanus* 4507.
- prostaglandin E induced fever, *Androctonus australis* /*Buthus occitanus* 1715.
- prothoracicotrophic hormone, corpora allata, neurohaemal organs, *Manduca sexta* 2598.
- prothoracicotrophic hormone, purification, *Bombyx mori* 1694.
- prothoracicotrophic hormone, role, development, *Manduca sexta* 1850.
- prothoracicotrophic hormone secretion, circadian rhythms.

Hormones,(continued)

- Philosamia cynthia* 7625.
 pupation, *Heliothis virescens* 9343.
 regulation, pupation *Laspeyresia pomonella* 1052.
 regulation metamorphosis, *Manduca sexta* 1051.
 regulation sugars, haemolymph, *Manduca sexta* 2561.
 relationship oogenesis duration, *Drosophila melanogaster* 1829.
 role, oogenesis, *Phormia regina* / *Sarcophaga bullata* 3659.
 role, ovary development, *Aedes atropalpus* 1832.
 role cuticle deposition, *Schistocerca gregaria* 1605.
 salivary gland degeneration, *Amblyomma hebraeum* 8437.
 social hierarchy effects on, *Polistes gallicus* 9248.
 spermatogenesis, *Actias selene* 8547.
Vanessa cardui 8428.
 vitellogenesis, *Oncopeltus fasciatus* 5434.

Hormosianoetus,

new genus, Switzerland 6542.

Horvathiolus,

geographical distribution/keys, Italy 676.

Horvathiolus syriacus,

first record, Sardinia 676.

Host plants,

phenology, *Barberiella formicoides* 8594.

Howdeniolo,

new genus, Neotropical Region 8136.

Humba,

check lists, India 2314.

Humbertiella similis,

digestion/nutrition 6028.

Humerobates rostralamellatus,

cold tolerance 2612.

Humidity,

- effects on development, *Latheticus oryzae* 2708.
 effects on development/fecundity, *Dermestes lardarius* 2732.
 effects on development/oviposition, *Tetranychus ludeni* 3636.
 effects on development/survival, *Tenebrio molitor* 329.
 effects on feeding, *Semiadalia undecimnotata* larvae 1111.
 effects on hatchability, weird mutant *Tribolium castaneum* eggs 628.
 effects on hatching, *Dacus oleae* 2737.
 effects on hatching, *Tetranychus urticae* 1031.
 effects on insecticides toxicity, *Tribolium confusum* 2680.
 effects on locomotor activity, *Tetranychus urticae* / *Typhlodromus occidentalis* / *Amblyseius fallacis* 1611.
 effects on mating, alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 1804.
 effects on mating, *Chilo suppressalis* 2730.
 effects on oogenesis, *Drosophila mimica* 3656.
 effects on species diversity, *Drosophila* 487.
 effects on water balance, Lepidoptera 2614.
 effects on weight pupae, *Mamestra brassicae* 333.
 humidity preferences *Brachymeria* 1072.
Odonotermes obesus nests 3747.
 relative humidity effects on oviposition/hatching, *Amblyomma americanum* 2734.
 retention, role webs, *Tapinopa longidens* 2790.
 water budget, *Semiadalia undecimnotata* 2619.
Hummelia,
 taxonomy 5821.
Hungary,
 check lists/new records Phytoseiidae 2209.
 first record *Anthaxia morio* 2217.

- first record *Anthicus tobias* 2216.
 first record *Arenostola phragmitidis* 2234.
 first record *Camerobia australis* 8903.
 first record *Thera albionigrata* 8921.
 geographical distribution *Laelia raczi* / *Carcharodus orientalis* / *Iolana iolas* 2233.
 Lepidoptera immigrants 2208.
 new records *Asyndetus* 8185.
 new records/a'ttractants, Tortricidae 3225.
 new records Lepidoptera 2235.
 new records Tenthredinidae 2413.
 new species Acari 8091.
 new species Braconidae 4263.
 new species Chthoniidae 8109.
 new species Empididae 6610, 8174.
 new species Eriophyidae, fossils 4153.
 new species Helomyzidae 1480.
 new species Hymenoptera 6650.
 new species/new records Agromyzidae 1470.
 new species Oribatei 4155.
 new species Podocinidae 2284.
 new species Saproglphyidae 8103.
 new species Scelionidae 840.
 review Scarabacidae 2218.
Hungary Zempleni Mts.,
 geographical distribution *Lasiommata petropolitana* 2232.
Hunterellus sagarensis,
 first record, Japan 8040.
Hutamaia,
 new genus, Brazil 27.
Hyadaphis tataricae,
 first record, USA 9751.
Hyaliodinae,
 taxonomy 5138.
Hyalomma,
 pesticide resistance, lindane, Israel 309.
Hyalomma anatolicum,
 infestations cattle/buffaloes 1126.
 life cycles 2802.
Hyalomma asiaticum,
 vectors *Coxiella burnetii* 2999.
Hyalomma dromedarii,
 aggregation pheromone 7520.
Hyalomma marginatum,
 life cycles 2816.
 parasitism *Lepus capensis* 1931.
Hyalomma plumbeum,
 tick-borne encephalitis virus replication 1211.
Hyalomma rufipes,
 Congo virus infection 7067.
Hyalomma truncatum,
 parasitism cattle 3021.
Hyalophora cecropia,
 amino acids transport, midgut basal-lateral membranes 748.
 emergence behaviour, physiology 9187.
 fat body, proteins, antibacterial activity 4431.
 larvae, midgut, potassium/rubidium transport 1708.
 pupae, ecdysones, haemolymph 3547.
 pupae, injuries/immune response, RNA 7130.
 trachea volume, methodology 2559.
Hyalophora gloveri,
 larvae, sex differentiation 196.
Hyalopsyche,
 new species, Australia 6706.
Hyalurgus,
 new species, China, People's Rep. 5131.

- Hybalus*,
new species, Algeria 3329.
new species, Tunisia 3324.
- Hyblaea puera***,
feeding/digestion, endocrinology 9194.
predation 7789.
- Hyblacidae***,
digestive systems 9194.
predation 7789.
- Hybodoryctes***,
taxonomy 7352.
- Hybomitra***,
feeding behaviour 5642.
host selection 437.
larvae 3436.
- Hybomitra brennani***,
new records, Canada Alberta 1404.
- Hybomitra lasiophthalma***,
biological control 569.
- combyliidae parasites, host-parasite interactions 1117.
parasitism cattle 2998.
populations, parous state, USA Texas 346.
rearing 3744.
- Hybomitra montana***,
biology/populations 1881.
- Hybosida***,
new species/new records, Seychelles 5073.
- Hybosoridae***,
taxonomy 6580.
- hybridization**,
see Hybrids
- Hybrids**,
Aedes atropalpus x *Aedes epaticus*, reproduction 5439.
Antheraea roylei x *Antheraea pernyi*, chromosomes 1311.
behavioural genetics, mate selection, interspecific
hybridization, *Colias* 3159.
chromosomes effects on viability, *Drosophila* 8860.
Colias, X chromosome effects on phenotypes 3165.
courtship, behavioural genetics, *Drosophila melanogaster* x
Drosophila simulans 7157.
diapause, absence, *Papilio machaon* x *Papilio xuthus* 2178.
enzyme polymorphism heritability, *Yponomeuta* 8880.
honey production, *Apis* 9647.
hybrid dysgenesis, population genetics, *Drosophila*
melanogaster 2177.
interspecific hybridization, *Agrodiaetus* 7160.
interspecific hybridization, *Argas* 9697.
interspecific hybridization, chromosomes, *Drosophila* 1335.
interspecific hybridization, *Dysmictocarabus* 5747.
interspecific hybridization, mate selection, *Anopheles* 4080.
interspecific hybridization, *Reticulitermes* 4079.
interspecific hybridization *Chrysocarabus* 6440.
interspecific hybridization *Luehdorfia japonica* x *Luehdorfia*
puziloi 637.
interspecific hybridization *Orgyia antiqua* / *Orgyia thyellina*
3164.
interspecific hybridization, chromosomes segregation,
sterility, *Drosophila nasuta* 4950.
interspecific hybridization, combining ability, *Tribolium*
castaneum 4949.
interspecific hybridization, *Culex quinquefasciatus* 4945.
interspecific hybridization, fitness/chromosomes, *Podisma*
pedestris 1336.
lar gene lethality, interspecific hybridization *Drosophila*
4946.
Nyctemera amica x *Nyctemera annulata*, colonies 6439.
Pieris callidice x *Pieris occidentalis*, incompatibility 3163.
- Prosimulium magnum* x *Prosimulium multidentatum* 8861.
response gustatory stimuli, *Yponomeuta* 5745.
sexual behaviour, temperature effects, *Drosophila*
melanogaster 4948.
spermatogenesis, *Heliothis* 4577.
spermatozoa, *Heliothis* 7587.
sterility, developmental genetics, *Drosophila simulans* 7975.
sterility, interspecific hybridization, *Boophilus* 6438.
Trichodes alvearius x *Trichodes umbellatarum* 4081.
viability, *Phyciodes* 8850.
X chromosome activity, dosage compensation, *Drosophila*
melanogaster x *Drosophila simulans* 7129.
- Hydaticus***,
taxonomy 9010.
taxonomy/check lists, Fenno-Scandia 7281.
- Hydaticus seminiger***,
first record, Poland Bieszczady Mts. 3204.
- Hydatothrips***,
taxonomy 1531.
- Hydracarina***,
new records, Poland 2211.
- Hydrachna virella***,
parasitism *Buenoa scimitra* 6230.
- Hydrachnellae***,
new species, Australia 8966.
parasitism 2834.
streams, Guatemala 583.
- Hydraena***,
new species, Cuba 8146.
new species, India 6581.
- Hydraenidae***,
check lists/ecology, Germany, Fed. Rep. Bavaria 8023.
fauna, Portugal 2320.
new species, Cuba 8146.
new species, India 6581.
new species, Italy 2323.
new subspecies, Yugoslavia 54.
taxonomy/zoogeography 8145.
- Hydraenopsis***,
new species, India 6581.
- Hydrobius fuscipes***,
mouthparts, sensilla 4367.
- Hydrocarbons***,
biosynthesis, *Zootermopsis angusticollis* 243, 247.
cuticle, *Blaps mucronata* 3454.
cuticle, *Callosobruchus maculatus* 9154.
cuticle, *Drosophila melanogaster* 6749.
cuticle, *Gryllus pennsylvanicus* / *Nemobius fasciatus* 3458.
Manduca sexta pupae 6795.
3-methylpentacosane, biosynthesis, *Periplaneta americana*
9200.
polycyclic hydrocarbons, toxicity, *Acheta domestica* 2665.
solvents, effects on diapause termination, *Sarcophaga*
crassipalpis / *Manduca sexta* 345.
- Hydrochara***,
revision 6582.
- Hydrocoptus koppi***,
new subspecies, Gabon 2298.
- Hydrocoptus subvittulus***,
new subspecies, Malagasy Rep. 1451.
- Hydrocyanic acid***,
control Coccoidea 1237.
- Hydrocyphon***,
new species, Viet Nam 2321.
- Hydrocyrius columbiae***,
larvae 6736.

- Hydrodromidae**,
parasitism Culicidae 2836.
- Hydronaphis colocasiae**,
taxonomy/morphology 3366.
- Hydrophilidae**,
communities 5586.
competition 1189.
coprophagous organisms, seasonal variations community composition 2963.
ecology 496.
life cycles/habitat utilization 1891.
locomotion 2512.
neurosecretion 928.
new records, German Dem. Rep. 8018.
new species, Ecuador 8147.
sense organs 4367.
taxonomy 1455, 6582, 7286, 9012.
zoogeography 6467.
- Hydrophilus piceus**,
swimming coordination/stability, mathematical models 2512.
- Hydrophorus oceanus**,
predatory behaviour 7826.
- Hydroporus**,
new records, Switzerland 4999.
- Hydroporus fuscipennis**,
morphology 1369.
- Hydroporus obscurus**,
first record, Poland Bieszczady Mts. 3204.
- Hydropsyche**,
feeding/webs 7725.
nets spinning, environmental factors 5491.
toxicity/bioaccumulation endrin/methoxychlor 2122.
vertical distribution, drift, rivers 7119.
- Hydropsyche bulgaromanorum**,
first record, Poland 6702.
- Hydropsyche hageni**,
first record, USA Ohio 5789.
- Hydropsyche siltalai**,
larvae, thorax morphology 6735.
- Hydropsychidae**,
behaviour 5491.
development 4863.
feeding 7725.
immature stages 6735.
larvae, sound production, ultrasound 2636.
life cycles 1897.
life cycles/production, streams, USA Georgia 3124.
mouthparts 237.
new records, Poland 6702.
new records, USA Ohio 5789.
new species/new records, Papua New Guinea 154.
populations 7119.
survival 7924.
taxonomy 4304.
- Hydroptila**,
new species, Morocco 7407.
- Hydroptila itoi**,
immature stages, biology/morphology 1578.
- Hydroptila occulta**,
first record, Ireland 4990.
- Hydroptilidae**,
immature stages 1578.
new records, Ireland 4990.
new species, Canada 6705.
new species, Israel 869.
new species, Morocco 7407.
new species, USA 3412, 4303.
taxonomy 8294.
- Hydrotaea albipuncta**,
immature stages/first record, Japan 1570.
- Hydrotaea irritans**,
habitat preferences/geographical distribution/transmission summer mastitis, Netherlands 3212.
- Hydrotaea meteorica**,
immature stages 1570.
- Hydrous triangularis**,
ultrastructure/cytochemistry neurosecretion cells 928.
- Hydrovatus**,
new species, Gabon/Ivory Coast 2298.
new species, Ivory Coast 5096.
- Hydrovatus balneator**,
taxonomy 2298.
- Hydryphantidae**,
parasitism 6981.
- Hygranillus**,
new genus, New Zealand 2310.
- Hygrobia**,
new species, Australia 7287.
- Hygrobiidae**,
new species, Australia 7287.
- Hygrobus medialis**,
flight diel periodicity, environmental effects 1154.
- Hylaeus**,
check lists/new species, Iran 3375.
check lists/revision, Europe 8037.
- Hylaeus binuatus**,
sex ratios 5753.
- Hylaeus modestus**,
mandibular glands/Dufour's gland secretions 3564.
- Hylaster**,
teratology, genitalia 1583.
- Hylemya aestiva**,
foraging behaviour behaviour/range extension USA North Carolina 4699.
- Hyles euphorbiae**,
geographical distribution/new subspecies, USSR 134.
- Hyles robertsi**,
taxonomy/geographical distribution, USSR 134.
- Hylesia**,
biology, Brazil 395.
- Hylesia corevia**,
immature stages/biology 903.
- Hylesinus**,
taxonomy 6590.
- Hylesinus fraxini**,
isolation Sporozoa 7559.
- Hyllobittacus apicalis**,
mating behaviour 361.
- Hylobius abietis**,
dispersal 7779.
orientation, humidity 366.
oviposition site selection 7663.
- Hyloicus pinastri**,
geographical distribution, Netherlands 4128.
- Hyloniscus transsylvanicus**,
first record, Czechoslovakia 3241.
- Hylotrupes bajulus**,
growth/survival, environmental factors 5495.
larvae, toxicity diflubenzuron 1781.
- Hylurgopinus rufipes**,
population dynamics, Canada Ontario 9546.
- Hylurgops palliatus**,
Malamoeba scolyti infection 4495.

- Hymenoptera**,
 abdomen 1582.
 behaviour 7771.
 biological control 3031.
 castes/sex 7911.
 check lists 8614.
 check lists, Switzerland Unterwalden 8919.
 coevolution plants 3788, 3807.
 control 2770.
 ecology 1993, 4722.
 evolution 6456, 7985.
 evolutionary genetics 4970.
 glycogen storage 1671.
 leg 1586.
 new records, Poland 666.
 nontarget organisms 1231.
 parasites *Atherigona soccata* 2780.
 parasites *Cryptophlebia ombrodelta*, Australia Queensland 435.
 parasites *Heliothis*, Australia New South Wales 501.
 parasitism 6979, 9453.
 parental behaviour/social behaviour, review 3690.
 phylogeny 7179, 7990.
 pollination 1958, 7752, 8642.
 pollination *Pisum arvense* 5550.
 pollution effects 5387.
 population genetics 9715.
 population genetics, males, workers parents 1350.
 populations 7794.
 sampling 9129.
 sense organs 7474.
 social organization 4094.
 stings, diagnosis hypersensitivity, man 1010.
 taxonomy 1503, 3372.
 thorax 8348.
 toxicology 302.
 venom 6091, 7574.
 venom, hypersensitivity, man, review 2972.
 visual perception colour, eye 2546, 2547.
Hyocephalidae,
 morphology/phylogeny 9134.
Hyebaeus,
 new species, USSR 5102.
Hypera,
 migration 6262.
Hypera postica,
Entomophthora epizootics 8691.
 geographical distribution, Iran/Iraq/Egypt, Arab Rep. 8020.
 infection *Entomophthora phytonomi* 4492.
 integrated control, mathematical models 4817.
 mortality factors, epizootics *Entomophthora phytonomi* 9533.
 parasitism 3438.
 pest resistance *Medicago* 9474.
 population dynamics/parasitism, USA New Jersey/Maryland 4749.
 populations, grazing effects on, *Medicago sativa* crop fields 491.
Hypera variabilis,
 chemical control 6362.
 pathology *Zoophthora phytonomi* /*Conidiobolus osmodes* 7561.
Hyperaspis,
 new species, USA 7277.
Hypernephia,
 new species, China, People's Rep. 141.
Hyperodes,
 taxonomy 2317.
Hyperodes bonariensis,
 diapause, New Zealand 2705.
 reproduction/pest resistance Graminae 3789.
Hyperomias,
 new species, USSR 5852.
Hyperomyzus lactucae,
 vectors plant viruses 9481.
Hyphantria cunea,
 biological control 3955.
 geographical distribution/biology, German Dem. Rep. 3222.
 metamorphosis, RNA/DNA levels 7624.
 spatial distribution/dispersal 9503.
Hypharpax,
 pathogenicity *Cordyceps aphodii* 3572.
Hyphydrus,
 new species, Gabon/Ivory Coast 2298.
Hypnoidus,
 new species, India 5856.
Hypoaspis marginalis,
 first record, Poland 2937.
Hypoaspis aculeifer,
 development, environmental factors 6115.
Hypochoeris,
 new species, Rwanda 3388.
Hypocoela,
 new species, Malagasy Rep. 3387.
Hypoderidae,
 parasitism 9460.
Hypoderma,
 climate effects on infestations 3024.
 eggs, ultrastructure/functional morphology 7448.
 geographical distribution, British Isles 8001.
 infection cattle, antibody response 2974.
 parasitism cattle, diagnosis 7854.
 pest status/population studies 5652.
Hypoderma bovis,
 parasitism 7854.
Hypoderma lineatum,
 chemical control 521.
 isolation hypodermis A 6805.
Hypogastrura socialis,
 morphology, seasonal variations 7432.
Hypogastrura tullbergi,
 life cycles/reproduction, Arctic Zone 4615.
 midgut ultrastructure, development 3507.
Hypogastruridae,
 development 4553.
 gut 3507.
 life cycles 4615.
 morphology 7432.
 new species, Australia 5119.
Hypogymna morio,
 life cycles/ecology 1900.
Hypolimnas misippus,
 mimicry *Danaus chrysippus* 4087.
 first record, Bahama Is. 5761.
Hypolycaena,
 new species, Zimbabwe/Mozambique 7377.
Hyponecrotodes,
 taxonomy 2335.
Hyponotum,
 new species, Chile 4188.
Hyposoter exiguae,
 development/reproduction, temperature effects 9451.

- Hyposoter exiguae*, (continued)**
parasitism *Spodoptera praefica*, ecology 1993.
- Hypotermes*,**
gut anatomy 2567.
- Hypothenemus eruditus*,**
host plants, *Parthenium hysterophorus* 466.
- Hypothesis*,**
revision, Neotropical Region 5198.
- Hypotrabisus*,**
new genus 6587.
- Hypsauchenia subfusca*,**
genitalia, phylogeny 9144.
- Hypselosoma hickmani*,**
taxonomy 1491.
- Hypsidae*,**
food plants 6995.
- Hysteroneura setariae*,**
Triticum, host plants, new records 4695.
- Hystrihopsylla*,**
new species, China, People's Rep. 151.
- Hystrihopsyllidae*,**
larvae 2486, 2487.
new species, China, People's Rep. 151, 5217.
new species, USA 7405.
parasitism/parasitism, Siphonaptera on *Rattus norvegicus* 2849.
pathology 7557.
pesticide resistance 4514.
- Hystripalpus*,**
new species, Italy 8972.
- Iassus*,**
taxonomy/new records, British Isles 5146.
- Ibadana*,**
new genus, Nigeria 7257.
- Iberian Peninsula*,**
check lists Hippodamini 4997.
check lists Nitidulini 4996.
check lists Tineidae 692.
first record *Anemallota tunesiella* 1380.
first record *Danaus chrysippus* 3226.
first record *Enargia paleacea* 1388.
first record *Mariana legrandi* 3227.
first record *Procris mannii* 3228.
new records Bruchidae 3199.
review/check lists Geometroidea 693.
review/check lists Yponomeutoidea 691, 1379.
review Copromorpha 848.
revision/check lists Geometroidea 1381.
revision Heterogynidae 2431.
- Iberodorcadion lorquini*,**
new subspecies, Spain 3308.
- Iceland*,**
new species Parasitidae 1425.
- Icerya seychellarum*,**
abundance/distribution/natural enemies, Aldabra Atoll 485.
damage/pest status, *Scaevola taccada* 2886.
dispersal, wind 3820.
pest status, *Scaevola taccada* 4704.
population levels, host plants leaves senescence effects on 1949.
- Ichneumon*,**
taxonomy 4268.
- Ichneumon muscarum*,**
taxonomy 5925.
- Ichneumonidae*,**
attractants 987.
behaviour 1926, 2833, 6225, 6233.
biological control 5704.
check lists, Belgium 3214.
check lists, Korea, Rep./Korea, Dem. People's Rep. 5774.
development/reproduction 9451.
ecology 491, 1116, 1993.
immature stages 3438.
integrated control 4817.
introduced species 1238.
larvae/parasitism *Operophtera* 6972.
natural enemies 8613.
new records, Belgium 5009.
new records, Canada 8070.
new records, Fennoscandia 8917.
new species, Brazil 829, 830, 831, 833.
new species, USA 7360.
new species/keys, New Zealand 5934.
new species/new records, Brazil 832.
new species/new records, India 5173.
new species/new records, Oriental Region 5172.
nutrition 1659, 9206.
parasites 434.
parasitism 1115, 1927, 1930, 3993, 4667, 5506, 5549, 6229, 6232, 6235, 6978, 6984, 7740, 9229, 9406.
parasitism *Anticarsia gemmatilis*, Brazil 2002.
parasitism *Spodoptera frugiperda* 2839.
pollution effects 5387.
rearing 241, 7619.
reproductive systems 4526.
secretion 6074.
taxonomy 834, 4268, 4269, 5171, 5925, 6663, 7359, 9081.
viruses 6085.
viruses, review 4502.
zoogeography 4986, 8020.
- Ichthyura anastomosis*,**
biological control 3052.
- Iconostigma*,**
new genus, New Caledonia 8280.
- Icoracictoris*,**
new genus, Brazil 4245.
- Ictinogomphus rapax*,**
life cycles/larvae 8585.
- Idaea*,**
new records, Balearic Is. 9722.
new species, Celebes 8259.
new species, Spain 2427.
- Idaea contiguaris*,**
geographical distribution/biology, France 686.
- Idaea hispanaria*,**
new records, Spain 1390.
- Ideoroncidae*,**
new species, US Virgin Is. 29.
- Idiasta*,**
revision 6657.
- Idiocerus*,**
new species, Nearctic Region 5918.
- Idiocerus atkinsoni*,**
neuroendocrine system 9171.
- Idioscopus*,**
new species, India 5919, 8236.
- Idiostatus viridis*,**
taxonomy 5962.

- Idolocoris agilis***,
taxonomy 814.
- Idris***,
revision/new species, Palearctic Region 840.
taxonomy 4276.
- Iltastus***,
taxonomy 2382.
- Ilybius***,
larvae, mouthparts, functional morphology 1665.
- Imaginal discs**,
see also **Cells**
development, ecdysterone effects on, *Drosophila* 2727.
l(3)gl mutants, development, *Drosophila hydei* 9345.
proteins, *Sarcophaga peregrina* 952.
regeneration, *Drosophila* 9315.
wings, cell death, rudimentary mutants, *Drosophila melanogaster* 9316.
wings, chitin biosynthesis, *Plodia interpunctella* 1043.
wings, *Pheidole bicarinata* soldiers 8491.
wings, regeneration, *Drosophila* 9312.
wings, regeneration potential, *Diptera* 7591.
- Imbrasia cytherea***,
chemical control 543.
- Imirus***,
new species, Spain 2328.
- Immature stages**,
see also **Eggs**, **Larvae**, **Nymphs**, **Pupae**
abdomen morphology, sex differentiation, *Pterotermes occidentis* / *Marginitermes hubbardi* 2474.
Acrotylus humbertianus 1565.
Adaluma urumelia / *Candalides geminus* 6729.
Alluaudomyia tiberghieni 7240.
Alophora lepidofera 6731.
Aphidius nigripes 7437.
Apocrypha anthicoides 4215.
Azygophleps albiovittata 2470.
Bathyplectes anurus 3438.
Belostoma 9410.
biology/morphology, *Hydroptila itoi* 1578.
Botanochara impressa 904.
Bruchidae 5510.
Brullea antarctica 5993.
Callirhopalus bifasciatus 7439.
Cassidinae 2475.
Cephitinea 8332.
Chalarus 7747.
Charaxes marieps 9403.
Chelonus inanitus 6733.
Chionanthobius 8140.
Cloeon 2378.
Cnephasia 1090.
Coenonympha corinna 6718.
Culex quinquefasciatus 4517.
Cuspicona simplex / *Monteithiella humeralis* 1896.
development, *Simulium sirbanum* 2690.
Dorynota pugionata 1074.
egg masses, *Procordulia grayi* 6742.
eggs, *Antheraea* 5996.
eggs, *Chaoborus flavicans* 4519.
eggs, chorion ultrastructure, *Baetis* 7434.
eggs, Coccoidea 8343.
eggs, ecdysones, *Schistocerca gregaria* 8429.
eggs, mechanical properties, *Culex pipiens* 7647.
eggs, Riodinidae 5243.
eggs, *Toxorhynchites* 6190.
eggs, ultrastructure, Mycetophilidae/Sciaridae 7433.
eggs, ultrastructure/functional morphology, Oestridae 7448.
eggs/larvae, *Lytogaster excavata* 9382.
Ethemon lepidum 890.
Eucalymnatus tessellatus 9070.
Eugnamptus collaris 7704.
Eulimnia 79.
Eurosta 376.
Eurostus validus 2811.
Extatosoma tiaratum 4638.
haemocytetes, *Choristoneura fumiferana* 3492.
Heliothis zea, spatial distribution, mathematical models 3898.
Helosciomyza subalpina 1076.
Histosoma cataglyphi 5499.
Hoplopleura disgrega 2472.
interspecific hybridization *Luehdorfia japonica* x *Luehdorfia puziloi* 637.
Ischnodemus 7821.
Kirkioestrus minutus 1569.
Languria erythrocephalus 7292.
larvae, *Aethes fennicana* 7683.
larvae, *Andrena dunningi* 7708.
larvae, *Aponomma quadricavum* 9459.
larvae, *Barberiella formicoides* 8594.
larvae, Bruchidae 4334.
larvae, *Chrysopa lanata* 5246.
larvae, *Culex* 7436.
larvae, Culicidae 6723.
larvae, *Diamesa* 6728.
larvae, *Drepanocerus* 6937.
larvae, *Dryomyza anilis* 5992.
larvae, *Epicauta* 6186.
larvae, *Euchistus heros* / *Piezodorus guildinii* 6740.
larvae, *Eupompha wenzeli* 8150.
larvae, *Exeuthyplocia* 7325.
larvae, feeding adaptations, Formicidae 7435.
larvae, Formicidae 6741.
larvae, *Galerita janus* 8327.
larvae, *Goniadera* 8334.
larvae, growth, *Hemileuca oliviae* 7445.
larvae, head, *Lepeorus goyi* / *Siphonurus aestivalis* 8330.
larvae, *Hydrocoryus columbiae* / *Sphaerodema grassei* 6736.
larvae, *Ictinogomphus rapax* 8585.
larvae, keys, Chrysomelidae 7443.
larvae, keys, Lepidoptera pests 5991.
larvae, *Kurtomathrips* 8329.
larvae, *Mantichora* 6734.
larvae, *Merragata lacunifera* 8337.
larvae, *Pamphilius vifer* 5503.
larvae, *Patanga succincta* 8584.
larvae, *Periplaneta* 8111.
larvae, *Progomphus abbreviatus* 8347.
larvae, Pyralidae 7440.
larvae, *Renia* 8333.
larvae, *Rhodothemis rufa* 9138.
larvae, Saturniidae 5248.
larvae, sex differences, *Malacosoma americanum* 9387.
larvae, sex differentiation, Ephemeroptera 6739.
larvae, *Simulium luggeri* 8340.
larvae, *Sonia filiana* / *Eucosma ridingsana* 7438.
larvae, taxonomy, Nepticulidae 7381.
larvae, thorax morphology, *Hydropsyche siltalai* 6735.
larvae, *Tribolium* 8328.
larvae, *Zeonidicola* 6567.
larvae/pupae, *Acilius fraternus* 8336.
larvae/pupae, *Neoclypeodytes cinctellus* 8335.
larvae/pupae *Strategus syphax* 8341.
larvae sexual dimorphism, Diaspididae 8331, 8342.

Immature stages,(continued)

- Leptomorphus walkeri* 5244.
Lioplacis elliptica 888.
Lithocolletis joviella 7707.
Lycaena rauparaha 121.
Macropis nuda 6188.
Malacosoma disstria 5990.
Mallosoma piptadeniae 889.
Microplitis rufiventris 6732.
Nersia florens 9413.
Nipponentomon nippon 1580.
Nothomyrmecia macrops 1575.
nymphs, *Nicoletiella* 6727.
Oncyclocotis tasmanicus 9417.
Onthophagus gazella 9386.
Papilio anchisiades 892.
Parasarcophaga 7447.
Pareronia boebersi / *Gandaca harina* 188.
Phyllophaga fimbripes 5520.
Podapolipoides peruvensis 2838.
Polypedilum nubifer 3347.
Polyrhaphis spinipennis 906.
Polytocus costatus 896.
Pristomerus vulnerator 1930.
Procladius 5879.
Pseudophilippia quaintancii 4332.
Pterophoridae 192.
pupae, Agaristidae 7444.
pupae, *Bubalus piniarius* / *Semiothisa liturata* 5245.
pupae, *Buchonomyia* 8323.
pupae, Noctuidae 5995.
pupae, Thyatiridae 7389.
Rhodnius pallescens 6203.
Scheloribates 6738.
Scutacaridae 5057.
Simuliidae 7442.
Sireblote panda 407.
Strobilostrus vanzyli 2478.
Synanthedon unocingulata 4647.
Tenuipalpus granati 6939.
Thaumato-grapha eremnotorna 6730.
Thelgetra latipennis 891.
Thyris fenestrella 8339.
Torrenticola amplexa 8338.
Trepobates subnitidus 7696.
Trestonia capreola 905.
Trissocladius brevipalpis 6608.
Unionicola 5994.
Immunology,
allergens *Dermatophagoides pteronyssinus* 4790, 4791.
antisera, *Dendroctonus* 7424.
encapsulation *Metaphycus* , *Coccus hesperidum* 6971.
enzymes, *Tenebrio molitor* 4401.
haemolymph antibacterial activity, *Locusta migratoria* 5284.
immune response (cell mediated) *Diplotriaena tricuspis* ,
Acrididae 2639.
immune response (humoral), *Periplaneta americana* 3494.
immune response, serum, *Periplaneta americana* /
Schistocerca gregaria 7487.
phagocytosis, haemocytes, *Galleria mellonella* / *Locusta migratoria* 5286.
role lysozyme, *Galleria mellonella* 245.
Serratia marcescens , *Anthonomus grandis* 1748.
suppression hosts defence mechanisms, *Nemeritis canescens* /
Pseudeucoila bochei 1927.
venom allergens/characterization, Hymenoptera 302.

Imparipes,

new species, Indonesia/Malaysia 6551.

new species, Romania 8091.

Inachis lo,

water balance, environmental effects 2614.

Incisitermes banksi,

biology/new records, USA Arizona 1078.

Incisitermes barretti,

gut, redox properties 5291.

Incisitermes minor,

radiation (electromagnetic) effects on 5469.

Incurvaria,

taxonomy 7374.

Incurvaria aereipennella,

first record, Sweden 706.

Incurvariidae,

behaviour 8556.

new records, Sweden 706.

taxonomy 7374.

India,

arid zones, adaptations Isoptera 2926.

check lists/new species Aphididae 2386.

check lists/new species Chrysomelidae 2314.

diseases, man, Arthropoda 3006.

first record *Anomalicornia tenuicornis* 711.

first record *Aphanus rolandri* 8928.

Isoptera, taxonomy, review 2415.

Isoptera pests, control 3101.

new genus/new species Encyrtidae 1510.

new records Aphelinidae 8242.

new records Aphidiidae 2241.

new records *Artemidorus pressus* 8216.

new records Ceratocanthidae 776.

new records/new species Ceratopogonidae 8180.

new species Acari 3271.

new species Anthicidae 4185.

new species Aphelinidae 5156.

new species Aphididae 8229.

new species Araneidae 2289, 2290.

new species Asilidae 2354.

new species Atemnidae 7260.

new species Basilobelbidae 3270.

new species Braconidae 3374, 6658, 7353.

new species Carabidae 44, 2304, 2311, 4191, 5840, 5841.

new species Cecidomyiidae 1471.

new species Chironomidae 69, 4227.

new species Chrysomelidae 780.

new species Cicadellidae 1499, 2390, 5919, 7339, 7340,

8236, 8238.

new species Colonidae 7278.

new species Coniopterygidae 6686.

new species Diapriidae 5163.

new species Drosophilidae 2362, 4233, 9038, 9039, 9040.

new species Elateridae 5856.

new species Entomobryidae 1464, 4220.

new species Eriophyidae 3272, 6547, 7244, 8096.

new species Formicidae 8251.

new species Gracillariidae 118.

new species Helodidae 5858, 5860.

new species Hydraenidae 6581.

new species Meloidae 4204.

new species Membracidae 4257.

new species Miridae 812.

new species Myobiidae 758.

new species/new records Acari 3274.

new species/new records Aphelinidae 7351.

new species/new records Drosophilidae 3350, 8188.

India,(continued)

new species/new records Ichneumonidae 5173.
 new species/new records Phytoseiidae 5809.
 new species/new records Tenuipalpidae 3278.
 new species Pentatomidae 5914, 7333.
 new species Phytoseiidae 4159, 4160.
 new species Pseudococcidae 5151.
 new species Pseudoscorpiones 5828, 7263.
 new species Pyralidae 4287.
 new species Rhopalidae 9065.
 new species Salticidae 4166, 4167.
 new species Scelionidae 5181, 7364, 7365, 8254.
 new species Scolopendridae 4306.
 new species Scydmaenidae 4210.
 new species Staphylinidae 5117, 5871, 6593, 7300, 8160, 9022.
 new species Stenopsychidae 157.
 new species Tenebrionidae 1463.
 new species Thripidae 152.
 new species Thynnidae 2414.
 new species Tomoceridae 6598.
 new species Trichogrammatidae 9084, 9085.
 new species Triplogyniidae 3279.
 new subspecies Carabidae 8119.
 pest status Aphididae, Rosaceae 9589.
 pest status *Melanagromyza azawii*, *Sesamum indicum* 3073.
 pest status *Psylloides plana* 2085.
 pest status *Synegia*, *Piper betle* 3078.
 revision *Dirhinus* 8247.
 zoogeography Meloidae 5779.
India Bangalore,
 fauna/abundance Ixodidae 3246.
India Chandigarh,
 check lists Chrysomelidae 4138.
India Gorakhpur,
 Chilua L., pollution effects Insecta fauna 1283.
India Kanha National Park,
 check lists Isoptera 2419.
India Kerala,
 infestations *Lardoglyphus konoii*, stored products 4820.
 new records Aphididae 8060.
 pest status *Sylepta derogata* 2095.
India Manipur,
 new records Coccinellidae 2241.
India Nagarhole,
Drosophila fauna 2362.
India Orissa,
 check lists/new records Ixodidae 1401.
India Rajasthan,
 check lists Hymenoptera 2414.
India Sikkim,
 new records Aphidiidae 2241.
India Uttar Pradesh,
 abundance/distribution *Boophilus microplus* populations 1182.
Indohypurus,
 taxonomy 8138.
Indonesia,
 new records *Danothrips trifasciatus* 1532.
 new species Carabidae 8999.
 new species Megachilidae 5936.
 new species Myobiidae 758.
 new species/new records Tarsonemidae 6551.
 new species Sphecidae 844.
 new species Trombiculidae 2286.
Indotegolophus,
 new genus, India 3271.

Indozurriel,

new species, China, People's Rep. 91.

Infurcilinea,

new species, Sardinia 1522.

Inopus rubriceps,

chemical control, review 3945.
 cultural control, grasslands 3968.
 host plants, grasslands 3845.

Inquinilism,

Coleoptera on *Oiketicus platensis* pest outbreaks, Argentina 1974.

Monomorium 2801.

Synergus, *Andricus legitimus* galls, *Quercus* 2401.

Insecta,

aromatic-L-amino-acid decarboxylase mRNA, induction,

ecdysterone, *Drosophila melanogaster* 595.

DNA biosynthesis, *Drosophila virilis* 1312.

ecological genetics 8875.

reproduction, genes, *Drosophila melanogaster* 4066.

stridulation, *Sigara striata* 2635.

taxonomy Ephemeroptera 8207.

Insecticides,

AC-217,300, control *Pheidole megacephala* 9587.

acephate, control *Epitrix hirtipennis* 6372.

acephate, control *Lipaphis erysimi* 9629.

acephate, toxicity, *Choristoneura* 6860.

acephate, toxicity/chemical control, *Coleophora laricella* 8463.

acephate/carbaryl, toxicity, *Choristoneura occidentalis* 6092.

acephate/chlorpyrifos, control *Solenopsis invicta* 6343.

aldicarb/pirimicarb, control *Myzus persicae* 5680.

allethrin/propoxur, control *Blattella germanica* 5649.

antifeedants synergists, *Spodoptera littoralis* 9280.

apholate resistance, bionomics *Musca domestica* 6114.

azinphosmethyl/diflubenzuron, control *Anthonomus grandis* 5668.

BAY SIR 8514, control Diptera/effects on nontarget organisms 9566.

bendiocarb, control *Anopheles stephensi* 7867.

bendiocarb, control Culicidae 7058.

benzoylureas, structure-activity relationships, *Musca domestica* 3604.

camphechlor, pollution effects, benthos, invertebrates 6386.

carbamates, resistance, *Nephotettix cincticeps* 4508.

carbaryl, control *Ctenocephalides* 7057.

carbaryl, mathematical models, control Orthoptera 9621.

carbaryl, penetration/metabolism, *Lymantria dispar* 8478.

carbofuran, control *Atherigona soccata* 9594.

carbofuran, effects on population levels eggs, *Diabrotica longicornis* 7883.

carbofuran, tissues toxicity, *Nauphoeta cinerea* / *Tanymecus dilaticollis* 9276.

carbofuran/disulfoton + fungicides, control *Schizaphis graminum* 9595.

carbofuran/fensulfotion, control *Atherigona soccata* 8766.

carbofuran/phorate effects on population levels, *Diabrotica longicornis* 6360.

CGA 72662, control/toxicity, *Musca* 6352.

chemical control *Delia coarctata* 5661.

chemical control *Inopus rubriceps*, review 3945.

chemical control pests fruits 4818.

Insecticides,(continued)

- chlorpyrifos, control *Lepidosaphes cornutus* 6347.
 chlorpyrifos, control *Spodoptera frugiperda* 8772.
 chlorpyrifos, control *Synanthedon* 9603.
 chlorpyrifos, toxicity, *Haematopinus suis* 5376.
 chlorpyrifos/chlorpyrifos-methyl/lindane, control
Dendroctonus frontalis 8741.
 chlorpyrifos/cypermethrin/permethrin, control *Bovicola bovis*
/Haematopinus eurytenuis /Linognathus vituli 5637.
 chlorpyrifos-methyl, toxicity, Simuliidae 6873.
 chlorpyrifos-methyl/decamethrin/pirimiphos-methyl, control
Simulium damnosum /effects on nontarget organisms 4784.
 chlorpyrifos/temephos, toxicity, *Aedes* 5385.
 control *Aedes taeniorhynchus /Culex nigripalpus* 7847.
 control *Anacanthotermes ochraceus* 1220.
 control Aphididae 9607.
 control Aphididae/effects on natural enemies 6345.
 control *Aphis affinis* 8731.
 control *Archips rosanus* 3974.
 control *Atherigona soccata* 3985.
 control *Atta* 1266.
 control *Batocera rufomaculata* 3043.
 control *Bemisia tabaci* 8733.
 control *Blissus leucopterus /Schizaphis graminum* 6337.
 control *Chilo auricilius* 4819.
 control *Chilo partellus* 2061.
 control *Cleora cinctaria* 7712.
 control *Coccus pseudomagnoliarum* , Sicily 571.
 control *Conotrachelus nenuphar /Cydia pomonella /*
Rhagoletis pomonella 6346.
 control *Contarinia sorghicola* 541.
 control Culicidae 2990.
 control *Culicoides molestus* 2977.
 control *Delia brassicae* 559.
 control *Dendroctonus frontalis* 9609.
 control *Diacrisia obliqua* 9592.
 control *Dialeurodes citrifolii* 3037.
 control *Diatraea grandiosella* 3960.
 control *Drosicha mangiferae* 2069.
 control *Earias insulana /Heliothis armigera* 6358.
 control/effects on pollination, *Theobroma cacao* fauna 8749.
 control *Eriosoma lanigerum* 2063.
 control *Eutetranychus orientalis* 3061.
 control *Glossina tachinoides* 7059.
 control *Gossypium hirsutum* pests 9616.
 control *Haematobia irritans /Musca autumnalis* 5638.
 control *Heliothis /Acyrtosiphon kondoi* , *Medicago sativum*
 2086.
 control *Heliothis zea* 3966, 4807.
 control *Hercinothrips femoralis* 6351.
 control *Hypera variabilis* 6362.
 control *Irenimus compressus* 2660.
 control Isoptera 2091.
 control Isoptera, pollution effects, review 3054.
 control *Liriomyza sativae* 3973.
 control *Lucilia cuprina* , review 532.
 control *Magdicada septendecim* 6339.
 control *Myzus persicae* 3959.
 control *Ophiomyia centrosematis* 3051.
 control *Orseolia oryzae* 3087.
 control *Phorodon humuli* 7876, 7888.
 control *Phyllocoptruta oleivora* 3946.
 control *Phyllophaga ephillida* 5684.
 control *Plutella xylostella /Crociodolomia binotalis* 3106.
 control *Psylliodes chrysocephala* 7898.
 control *Rhyacionia frustrana* 3071.
 control *Spodoptera littoralis* 7088.
 control *Synclera univocalis* 2094.
 control/toxicity, *Rhagoletis pomonella* 9619.
 control *Trialeurodes vaporariorum* 3982.
 control *Trialeurodes vaporariorum* 9593.
 cross-resistance, *Tribolium castaneum* 295.
 cuticle permeability, *Schistocerca gregaria* 9155.
 DDT, effects on circadian rhythms, *Periplaneta americana*
 6823.
 DDT, pollution effects, soil Arthropoda 7914.
 DDT, resistance, Siphonaptera 8480.
 DDT, uptake/distribution, *Schistocerca gregaria* 8466.
 DDT analogues, toxicity, *Periplaneta americana* 9291.
 DDT/decamethrin, control *Glossina* 6327.
 DDT/pirimiphos-methyl, control *Anopheles balabacensis*
 7054.
 deca 6314.
 decamethrin, control *Glossina* 6315, 6329.
 decamethrin, control *Glossina palpalis* 6328.
 decamethrin, control *Glossina tachinoides* 6316.
 decamethrin, control *Triatoma infestans* 7861.
 decamethrin, control *Glossina* 6330.
 decamethrin/fenvalerate/tetrachlorvinphos, control
Boophilus microplus 9563.
 dicofol metabolism, *Panonychus citri* 5305.
 dieldrin, metabolism, *Schistocerca gregaria /Blaberus*
discoidalis 4419.
 dieldrin, resistance, *Lucilia cuprina* 8473.
 dieldrin, resistance/survival, sex linkage, *Lucilia cuprina*
 7051.
 diflubenzuron, absorption/metabolism, *Choristoneura*
occidentalis /Orgyia pseudotsugata 5380.
 diflubenzuron, control *Anopheles sudaicus* 4782.
 diflubenzuron, control *Anthonomus grandis* 5669, 5670,
 6348.
 diflubenzuron, control *Diaprepes abbreviatus* /effects on
 nontarget organisms 8736.
 diflubenzuron, control *Leucoma wiltshirei* 7832.
 diflubenzuron, control *Ostrinia nubilalis* 8746.
 diflubenzuron, control *Thaumtopoea pityocampa* 9601.
 diflubenzuron, effects on development, *Spodoptera litura*
 6135.
 diflubenzuron, effects on nontarget organisms, *Gossypium*
 crops 6344.
 diflubenzuron, effects on sodium fluosilicate/fluoroacetamid
 toxicity, *Musca domestica* 3598.
 diflubenzuron, resistance, *Musca domestica* 7568.
 diflubenzuron, toxicity, *Adoxophyes orana /Cydia pomonella*
 6867.
 diflubenzuron, toxicity, *Anthonomus grandis* 6098.
 diflubenzuron, toxicity, *Cydia pomonella* 6106.
 diflubenzuron, toxicity, *Ostrinia nubilalis* eggs 6102.
 diflubenzuron, toxicity, *Stomoxys calcitrans* 6105.
 diflubenzuron/methoprene/OMS 841, control *Aedes*
albopictus 4783.
 effects on behaviour/survival, Formicidae 1005.
 effects on community composition Coleoptera, soil, orchard
 3115.
 effects on haemolymph proteins/lipids, *Blattella germanica*
 7486.
 effects on natural enemies *Tetranychus urticae /Panonychus*
ulmi 549.
 effects on population dynamics *Bemisia tabaci* + natural
 enemies 2073.
 effects on population dynamics *Heliothis* /natural enemies,
Gossypium crop fields, USA Mississippi 1164.
 effects on reproduction, *Tetranychus urticae* 4825.
 endosulfan, effects on lipids biosynthesis, *Glossina morsitans*

Insecticides,(continued)

6857.
 endosulfan/methomyl/methyl parathion, control *Orthosia hibisci* 9599.
 endosulphan, pollution effects, invertebrates, swamps 7918.
 etrimfos, toxicity, *Lymantria dispar* / *Musca domestica* 5374.
 fenitrothion, non-target organisms, *Bombus*, pollination *Cypripedium acaule* 6359.
 fenitrothion, pollution effects, streams, Insecta 9662.
 fenitrothion, resistance, *Anopheles culicifacies* 8472.
 fenitrothion/fenthion/monocrotophos, control *Cylas formicarius* 8745.
 fenvalerate + pesticides (organophosphorus), toxicity synergism, *Tetranychus urticae* 6872.
 fenvalerate, control *Haematobia irritans* 6313.
 flavoprotein-linked monooxygenase induction, *Musca domestica* 960.
 insecticides (organophosphorus), resistance, *Drosophila melanogaster* 8870.
 integrated control *Diatraea saccharalis* 7083.
 integrated control *Glossina palpalis* 7050.
 integrated control *Schizaphis graminum* 635.
 larvicides, Culicidae, review 2986.
 lindane, control *Paederus sabaeus* 9562.
 malathion, control *Aedes* / *Anopheles* 7852.
 malathion, control Culicidae 7049, 7062, 9560.
 malathion, control *Mansonia* 3930.
 malathion, resistance, *Aedes aegypti* 6862.
 malathion, resistance, *Anopheles stephensi* 6863.
 malathion, resistance, *Culex quinquefasciatus* 6864.
 malathion, resistance/susceptibility, *Tribolium castaneum* 4505.
 methoposfolan, toxicity, *Anthracorhis* 9277.
 metabolism, cholinesterase activity, *Anterhaea pernyi* / *Blepharipa tibialis* 9218.
 metabolism, esterase activity, *Triatoma infestans* 9207.
 metabolism/toxicity, host plants effects on, *Peridroma saucia* 9615.
 methomyl, toxicity, *Heliopsis virescens* eggs 6103.
 methoprene, control *Aedes aegypti* 4792.
 methoprene, control *Culex quinquefasciatus* 9570.
 methoprene, control/resistance *Musca domestica* 8705.
 methoxychlor, toxicity, Simuliidae/nontarget organisms 9285.
 methyl bromide, humidity effects on toxicity, *Sitophilus granarius* 9288.
 mirex, control *Mastotermes darwiniensis* 9279.
 neurotoxicity, pest control, review 561.
 nontarget organisms, apiculture, USA California 539.
 parathion-methyl/pyrethroids + *Bacillus thuringiensis*, toxicity, *Spodoptera frugiperda* 6854.
 permethrin, control Insecta, aircraft 6375.
 permethrin, control *Musca domestica* 5640.
 permethrin, control *Pediculus humanus* 7069.
 permethrin, control/toxicity Culicidae 6326.
 permethrin, residual effects, *Sitophilus zeamais* / *Tribolium castaneum* 8479.
 permethrin, toxicity/chemical control Culicidae 7071.
 persistence, bioassays, *Acheta pennsylvanicus* 5683.
 persistence, bioassays, *Lycoriella mali* 8482.
 pest control, review 1236, 4801.
 pesticide residues effects on *Bombyx mori* 6104.
 pesticide resistance, *Anopheles*, Thailand 1769.
 pesticide resistance, *Cimex lectularius* 2677.
 pesticide resistance, Culicidae 1770.
 pesticide resistance, enzymes activity, *Musca domestica* 242.
 pesticide resistance, *Heliopsis virescens*, Australia New South Wales 308.
 pesticide resistance, *Lucilia cuprina*, Australia Queensland 1009.
 pesticide resistance, pest control orchards 1250.
 pesticide resistance, pyrethroids, relationship central nervous system sensitivity 3607.
 pesticide resistance *Nilaparvata lugens* / *Sogatella furcifera* 558.
 pesticides (organophosphorus), pesticide resistance, *Spodoptera littoralis* 1771.
 pesticides (organophosphorus), resistance, *Culex quinquefasciatus* 6866.
 pesticides (organophosphorus), resistance, geographical variations, *Culex pipiens* 7570.
 pirimicarb, control *Aphis fabae* 9600.
 pirimicarb, pollution effects, *Myzus persicae* natural enemies 5671.
 pirimiphos-methyl/malathion, control Coleoptera, stored products 8764.
 pollution effects, nontarget organisms, freshwater environments 7116.
 pollution effects, nontarget organisms review 7081.
 propoxur, control *Blattella germanica* 9567.
 pyrethroids, + *Bacillus thuringiensis*, control *Operophtera brumata* / *Tortrix viridana* 8738.
 pyrethroids, control *Haematobia irritans* / *Musca autumnalis* 9568.
 pyrethroids, control *Heliopsis armigera* / effects on nontarget organisms 8740.
 pyrethroids, effects on neurosecretion, brain, *Rhodnius prolixus* 3566.
 pyrethroids, toxicity, *Aedes aegypti* 5384.
 resistance, *Anopheles* 6868.
 resistance, *Anopheles albimanus* / *Culex* 8485.
 resistance, *Anopheles maculipennis*, Iran 7573.
 resistance, *Culex pipiens* 4513, 6859.
 resistance, esterase enzyme polymorphism, *Culex* 8309.
 resistance, *Musca domestica* 7572.
 resistance, review, Insecta 8751.
 resistance, *Rhipicephalus appendiculatus* 6101.
 resistance/cross-resistance, *Culex quinquefasciatus* 6855.
 resmethrin, control *Chrysops atlanticus* 5650.
 susceptibility, *Anopheles culicifacies* 5377.
 susceptibility, Culicidae 5378.
 synergism, toxicity, *Cylas formicarius* 2663.
 temephos, control/resistance, *Anopheles albimanus* 5643.
 temephos, control *Simulium ochraceum* 9569.
 temephos resistance, *Simulium* 6095.
 temephos selection, pesticide resistance, *Culex pipiens* 294.
 terbufos + derivatives, toxicity, *Acheta pennsylvanicus* 6099.
 thiodemeton/carbaryl, toxicity, steroids effects on, *Sitophilus oryzae* 8470.
 toxicity, *Anomis sabulifera* 2672.
 toxicity, *Apion corchori* 1015.
 toxicity, *Apis mellifera*, nontarget organisms 2670.
 toxicity, Carabidae 2682.
 toxicity, Chironomidae 6852, 7856.
 toxicity, Chrysomelidae/Coccinellidae/Eulophidae 1777.
 toxicity, *Coccinella repanda* 312.
 toxicity, *Cosmopolites sordidus* 8476.
 toxicity, *Cycloneda sanguinea* / *Brevicoryne brassicae* 2679, 2681.
 toxicity, *Dioryctria amatella* 2661.
 toxicity, *Earias insulana* 7564.
 toxicity, *Euxoa messoria* 2684.
 toxicity, *Euxoa messoria* / *Delia* 6110.
 toxicity, *Haematobia irritans* / *Stomoxys calcitrans* 9293.
 toxicity, *Heliopsis virescens* 3610.
 toxicity, *Lachnosterna consanguinea* 3608.

Insecticides,(continued)

- toxicity, *Lycetus brunneus* 4511, 5375.
toxicity, *Myzus persicae*, pesticide resistance 2664.
toxicity, *Pediculus capitis* 303, 6107.
toxicity, *Pericallia ricini* 5479.
toxicity, *Perillus bioculatus* 6871.
toxicity, *Pteronarcella badia* 8484.
toxicity, *Schistocerca gregaria* 5386.
toxicity, *Stomoxys nigra* 300.
toxicity, *Symphorobius sanctus* /*Cryptolaemus montrouzieri* 7565.
toxicity, *Tetranychus cinnabarinus* 9626.
toxicity, *Tryporyza nivella* 6093.
- Integument,**
anatomy, *Glaucopepsyche lygdamus* 2506.
epidermis, electrical properties, *Tenebrio molitor* 4343.
epidermis, ions transport, *Tenebrio molitor* 6002.
epidermis development, *Manduca sexta* 1600.
epidermis morphogenesis, abdomen, *Drosophila melanogaster* 6746.
glands, *Atta* 5348.
regeneration, *Blaberus craniifer* 1791.
mRNA biosynthesis, *Manduca sexta* 7939.
thorax, glands, *Ulomyia fuliginosa* 8446.
- Intercherones,**
new genus, Mexico 3293.
- Interoecrea,**
new species, Solomon Is. 6641.
- Intersexes,**
antennae, *Limnomermis rosea* effects on, *Chironomus* 9153.
gynandromorphs, *Apatura ilia* 4947.
- Iodofenphos,**
control *Sitophilus zeamais* 554.
toxicity, environmental effects, *Tribolium confusum* 2680.
- Iolana iolas,**
geographical distribution, Hungary 2233.
- Ions,**
calcium, ransport, dopamine effects on, salivary glands, *Nauphoeta cinerea* 1713.
calcium channels, muscles, *Tenebrio molitor* larvae 984.
calcium/copper/zinc, excretion storage, *Musca domestica* 1714.
calcium/potassium, viruses/bacteria infection effects on, *Insecta* 2648.
calcium transport, salivary gland, *Phormia regina* 983.
channels, photoreceptors, *Locusta migratoria* 6773.
copper/iron/magnesium, effects on chromosomes puffing, *Chironomus* 8815.
cuticle permeability, gut, *Insecta* 2571.
effects on excretion/water absorption, gut, *Glossina morsitans* 4415.
effects on Malpighian tubules, *Ephydra riparia* 5294.
midgut pH, adaptations, host plants, *Lepidoptera* larvae 2563.
pH, gut, *Pyralidae* larvae 2573.
phosphates, active transport, rectum, *Schistocerca gregaria* 6065.
potassium/rubidium transport, midgut, *Hyalophora cecropia* larvae 1708.
potassium transport, axons, *Periplaneta americana* 6758.
potassium transport, gut, *Manduca sexta* 3557.
potassium transport, midgut, *Manduca sexta* 9242.
regulation, feeding, *Amblyomma maculatum* 4470.
role oxygen consumption, gut, *Periplaneta americana* 4388.
salinity tolerance *Paragnetina media* 2617.
salivary gland membrane potential, chromosomes puffing, *Drosophila* 1309.
sodium, role, Malpighian tubules secretion, *Locusta migratoria* 8396.
sodium chloride, ion exchange, pH effects, *Corixa* 4466.
transport, Malpighian tubules, *Locusta migratoria* 3509.
transport, rectum, role corpora cardiaca/cyclic AMP, *Schistocerca gregaria* 2618.
- Iphiclidea podalirius,**
coloration, genes/environmental factors 8892.
ecdysones levels, seasonal variations 8427.
- Iphiseius,**
new species, India 4160.
taxonomy 5809.
- Ipidia,**
taxonomy 1457.
- Ips,**
biology, bibliography 8598.
interspecific interactions, resource partitioning, *Dendroctonus frontalis* 7820.
pest status, *Pinus ponderosa* 5681.
- Ips amitinus,**
geographical distribution, Finland 6497.
- Ips calligraphus,**
aggregation pheromone 6055.
- Ips grandicollis,**
host selection 8622.
mating behaviour 2757.
- Ips paraconfusus,**
+ natural enemies, community structure, *Pinus radiata* host plants 8693.
host preferences 5559.
pheromones biosynthesis, role myrcene 3554.
- Ips typographus,**
chemical control 1267.
pest status/damage, Finland 2089.
- Iran,**
check lists *Cryptocephalus* 3315.
check lists *Lepidoptera* 1382.
geographical distribution *Bathyplectes* /*Hypera postica* 802.
geographical distribution *Brahmaea* 7217.
geographical distribution *Saturniidae* 8042.
natural enemies *Lymantria dispar* 433.
new species *Aphididae* 2384, 7334.
new species *Cantharidae* 764.
new species *Carabidae* 4190.
new species *Chrysomelidae* 1445.
new species *Colletidae* 3375.
new species *Dysderidae* 7256.
new species *Geometridae* 7373.
new species *Nemouridae* 5214.
new species *Protziidae* 7253.
new species *Scarabaeidae* 55.
new species *Sperchonidae* 7247.
new subspecies *Meleageria daphnis* 8267.
new subspecies *Zygaena* 4290.
- Iran Kerman,**
check lists *Lepidoptera* 7383.
- Iraq,**
geographical distribution *Bathyplectes* /*Hypera postica* 802.
new species *Eurytomidae* 5930, 5931.
new species *Scarabaeidae* 55.
new subspecies *Anthaxia amasina* 8995.
- Irdex,**
new species, Sarawak 5120.
- Ireland,**
check lists/new records *Anasimyia* 8003.

Ireland,(continued)

- check lists Siphonaptera 8015.
 check lists Staphylinidae 4100.
 first record *Hydropila occulta* 4990.
 first record *Microvelia pygmaea* 8902.
 geographical distribution *Tinodes maculicornis* 2481.
 keys Syrphidae 8002.
 Lepidoptera, book 743.
 new records *Brachytriton pratense* 3190.
 new records Carabidae 6472.
 new records Lepidoptera 8013.
 new species Limnephilidae 3413.
Ireninus compressus,
 chemical control 2660.
Iridomyrmex purpureus,
 coloration polymorphism 9707.
Iridomyrmex,
 intertidal environments, effects on survival 2791.
Iridomyrmex anceps,
 + *Jalmenus evagoras*, rearing 6712.
Iridomyrmex darwiniensis,
 introduced species, establishment, New Zealand 6485.
Iridomyrmex humilis,
 trail pheromone secretion 3701.
Iridomyrmex purpureus,
 new records, introduced species, New Zealand 6487.
Iringius,
 new species, Tanzania 5221.
Iron,
 new species, Afghanistan 6629.
 new species, Nepal 5905.
 taxonomy 5906.
Ischiodon escutellaris,
 life cycles 9406.
Ischiopsopha,
 taxonomy 9018.
Ischironota desertorum,
 first record Turkey 9004.
Ischnodemus,
 biology/ecology/immature stages 7821
Ischnomera,
 taxonomy 3320.
Ischnomera cinerascens,
 first record, British Isles 6471.
 Ischnopsyllidae,
 new records, Afghanistan 9719.
Ischnura,
 new records, Syria 8056.
Ischnura delicata,
 chromosomes 7949.
Ischnura gemina,
 habitats, USA California 7799.
 population structure, USA California 9539.
 Ischyropsalidae,
 ecology 8662.
Ischyropsalis hellwigi,
 ecology/geographical distribution, German Dem. Rep. 8662.
Islamocantharis,
 new genus, Turkey/Iran 764.
 Islas Baleares,
 see Balearics
 Islas Canarias,
 see Canary Is.
Ismarus dorsiger,
 parasitism Typhlocybinae 430.
Isocolus,
 new species, USSR 9079.
 Isoenzymes,
 see Enzymes
 Isolation,
 see Crowding
 reproductive isolation, *Drosophila mojavensis* 2195.
Isoperla,
 drumming behaviour 7689.
 taxonomy 3408, 4299.
 Isopoda,
 check lists, Poland Kulin Nature Reserve 9723.
 chromosomes 7954.
 communities 4769.
 cuticle 1604.
 development/regeneration 8508.
 feeding 9441.
 feeding/nutrition 6219.
 new species, Italy 8299.
 pheromones 4437.
 populations 5620, 7006.
 radiation (ionizing) 6153.
 sex ratios 6118.
 viruses 5365.
 Isoptera,
 adaptations/ecology, arid zones, India 2926.
 biology/control, book 749.
 biology/nests, grasslands, Australia 3710.
 caste differentiation, juvenile hormones analogues effects on 338.
 check lists, Canary Is./Cape Verde Is./Madeira 9721.
 check lists, Zimbabwe 3245.
 chemical control 1256.
 chemical control, pollution effects, review 3054.
 chemical control, review 3105.
 communities 7007.
 development 5418.
 development/feeding 6139.
 evolution castes 4971.
 fauna, deserts, Ethiopian Region 3244.
 nests, social organization 3110.
 new records, introduced species, New Zealand 6461.
 pest control, Egypt, Arab Rep., review 2070, 2097, 2099.
 pests 5707.
 pests, India 3101.
 taxonomy 2415.
Isoscelipteron,
 taxonomy 9105.
 Isothiocyanates,
 toxicity, *Anastrepha suspensa* /*Rhagoletis pomonella* 1004.
Isothricola,
 phylogeny 756.
Isotoma,
 new species, Papua New Guinea 61.
 new species, Switzerland 5876.
 new species/ecology, Norway 3338.
 Isotomidae,
 development 4553.
 digestive systems 4392.
 ecology 9511.
 growth 5490.
 new species, Norway 2345, 3338.
 new species, Papua New Guinea 61.
 new species, Switzerland 5876.
 new species, USSR 2346.
 populations 9538, 9542.
 predation 9541.
 taxonomy/new records, Czechoslovakia 794.

Israel,

new species Aphelinidae 9075.
 new species Cheyletidae 6545.
 new species Chrysomelidae 47.
 new species Chrysopidae 3403.
 new species/first record Anoetidae 6543.
 new species Hydroptilidae 869.
 new species Ichneumonidae 4269.
 new species Megachilidae 5935.
 new species Myrmeleontidae 7395.
 new species Pallopteridae 8194.
 new species Phytoseiidae 4158, 8101.
 new species Platypezidae 2366.
 new species Pteromalidae 7363.
 new species Syrphidae 8199.
 new species Tenuipalpidae 8104.
 new species Tephritidae 4242, 8203.
 pesticide resistance, *Hyalomma* 309.
 population dynamics/pest status Pyralidae/Noctuidae 3850.

Iswara,

new species, India 2414.

Itajutinga,

new genus, Bolivia/Brazil 8127.

Italoichrysa,

new species, Israel/Tunisia 3403.

Italy,

alpine environments, new species/check lists Braconidae 8244.

Alps, caves, check lists Araneae 2278.

check lists Geometridae 2236.

check lists/new records Chironomidae 4111.

check lists Pseudoscorpiones, caves 6496.

check lists Sciomyzidae 3356.

Encarsia pergandiella, introduced species, control

Trialeurodes vaporariorum 9618.

first record *Aphodius johnsoni* 7190.

first record *Coccophagus matsuyamensis* 9733.

first record *Coleophora scabrida* 1564.

first record *Drosophila deflexa* 1373.

first record *Leptura inexpectata* 668.

geographical distribution Aphodiidae 4109.

geographical distribution/keys *Horvathiolus* 676.

geographical distribution *Lindenia tetrphylla* 708.

Insecta fauna, bibliography 2202, 2203, 2204, 2205, 2206.

keys Carabidae 6499, 6502, 6503.

keys Coleoptera 36, 37, 38.

Lambro R., check lists/pollution effects Chironomidae 2117.

new records, *Cryptolestes pusilloides* 572.

new records/check lists, *Orthocladus* /*Parorthocladus* /

Synorthocladus 674.

new records Chrysomelidae 667.

new records Coleoptera 6504.

new records/geographical distribution *Erebia pronoe* 695.

new records Gracillariidae 2428.

new records *Halictus* 9734.

new records Hesperidae/Lycaenidae/Pieridae/Nymphalidae 696.

new records Lepidoptera 1383, 6513.

new records/new subspecies *Anisodactylus* 1442.

new records Siphonaptera 9719.

new records Tenebrionidae 9728.

new species Agelenidae 5064.

new species Aphelinidae 9075, 9076.

new species Aphodiidae 3298.

new species Carabidae 1443, 5842, 5843.

new species Chironomidae 4225.

new species Chrysomelidae 1444, 3314.

new species Coleophoridae 3384.

new species Ephydriidae 3351.

new species/first record Troctopsocidae 6700.

new species Gryllidae 5961.

new species Hydraenidae 2323.

new species Isopoda 8299.

new species Japygidae 6599.

new species Megaspilidae 2397.

new species Mycetophilidae 3354.

new species Nemouridae 147, 6695.

new species/new records Diplopoda 3415.

new species/new records Dysderidae 5819.

new species/new records Pselaphidae 2329.

new species/new records Psychodidae 5891.

new species/new records Triteriidae 8108.

new species Noctuidae 857.

new species Oribatei 8967.

new species Staphylinidae 56, 792, 2338, 5874, 9027, 9028, 9029.

new species Syrphidae 8199.

new species Tachinidae 806.

new species Tenuipalpidae 8972.

new species Yponomeutidae 9102.

new species/zoogeography Carabidae 765.

new subspecies/new records Anthicidae 762.

new subspecies/new records Coccinellidae 781.

new subspecies *Odontopodisma decipiens* 868.

new subspecies *Tinodes dives* 869.

Nure R., phenology/community composition Plcoptera 3123.

parasitism Aphididae, Braconidae, *Citrus* 9449.

pest status/chemical control *Trisetacus juniperinus*, damage

Cupressus sempervirens 546.

review *Aphodius* 6501.

revision *Danacaea* 1450.

revision *Stenolophus* 2305.

Italy Adige R.,

check lists/habitats Ephemeroptera 5008.

Italy Alps West,

new records Rhopalocera 694.

Italy Appenino,

streams, check lists/ecology Plecoptera 2239.

Italy Apulia,

pest status *Otiorrhynchus cribricollis* 567.

Italy Bergamasco,

new records *Troglophilus cavicola* 709.

Italy Bologna,

check lists Odonata 707.

Italy Dolomite Mts.,

check lists/habitats Psychodidae 5891.

Italy Ionia,

check lists Coleoptera 6498.

Italy Liguria,

first record *Cicindela maroccana* 3201.

Italy Lucania,

ecology/check lists Haliplidae/Dytiscidae/Gyrinidae 664.

Italy Modena,

occurrence *Porohalacarus alpinus* 4992.

Italy Romagna,

revision *Omaliini* 3335.

Italy Toscana,

new records *Lindenia tetrphylla* 708.

Italy Tuscany,

new records Noctuidae 6513.

new subspecies/new records Tenebrionidae 3337.

Italy Tyrol,

new records Microlepidoptera 9740.

- Italy Valle d'Aosta**,
new records *Pterostichus metallicus* 6500.
- Italy Veneto**,
geographical distribution *Drosophilidae* 1373.
- Itame abruptata***,
first record, USA New York 5785.
- Ithomiidae**,
taxonomy 847.
- Ithytrichia***,
new species, Israel 869.
- Itoplectis conquisitor***,
rearing, artificial diets 241.
- Ivanauskiella***,
new genus, USSR 2425.
- Ivory Coast**,
new species, Cerylonidae 3310.
new species *Drosophilidae* 800.
new species/Hyphydrus Haliplidae/Dytiscidae 2298.
new species Microdispidae 5054.
new species/new records Erigonidae 5067.
new species/new records Simuliidae 2369.
new species Nymphalidae 3396.
new species Pisauridae 5074.
new species Scydmaenidae 3330, 6591.
new species Trichodectidae 6683.
pesticide resistance *Simulium* 3606.
size, seasonal variations, *Simulium damnosum* 9582.
- Ixodes***,
aggregation pheromone 1698.
epidemiology/transmission, encephalitis 4797.
growth regulators 4552.
hosts/geographical distribution, USA Connecticut 3773.
new records, Canada Prince Edward I./New Brunswick 2242.
new records, Germany, Fed. Rep. 4101.
new species/first record, Galapagos 8099.
transmission (transovarial) tick-borne encephalitis virus 1206.
transmission tick-borne encephalitis virus 2035.
- Ixodes dammini***,
abundance/host preferences, geographical variations/
seasonal variations 8671.
check lists, forests, USA Connecticut 9745.
distribution/hosts/phenology, USA Connecticut 442.
- Ixodes pacificus***,
parasitism *Reithrodontomys megalotis*, USA California 448.
- Ixodes persulcatus***,
abundance/distribution, human impact 8664.
fertilization effects on neurosecretion 3563.
neurosecretion, feeding 1717.
parasitism *Clethrionomys glareolus* / *Microtus subarvatus* 2847.
vectors *Coxiella burnetii* 2999.
- Ixodes ricinus***,
biology, environmental factors 3746.
habitats/abundance, Czechoslovakia Prague 1994.
infection/transmission *Dipetalonema rugosicauda* 2036.
- Ixodes signatus***,
new records, USA California 9743.
- Ixodes trianguliceps***,
biology/transmission *Babesia microti* 3727.
delayed mating effects on engorgement/blood meal 1823.
spatial distribution, DDT effects on 4764.
- Ixodes uriae***,
isolation arbovirus, Norway Rost Is. 3935.
- Ixodidae**,
acaricides resistance 5382, 6094.
attractants 5278.
behaviour 1878, 2810, 5472, 8559.
biological control 3904.
biology 3746.
bionomics 8671.
carbohydrates 3511.
cell culture 8349.
check lists, USA Connecticut 9745.
check lists/new records, India Orissa 1401.
chemical control 1196, 2030, 2992, 3008, 6317, 7838, 9563.
chemosterilants 7598, 8514.
development 342.
ecology 1994.
environmental factors 9336.
enzymes 2591.
fauna/abundance, India Bangalore 3246.
fecundity 2750, 3666.
feeding 1547, 2008, 4470, 7724.
glands 8437.
growth regulators 4552.
hybrids 6438.
immature stages/parasitism 9459.
insecticides resistance 6101.
life cycles 2802, 2816, 5484, 9404, 9405, 9427.
lipids 6041.
mating 1823.
nerves 927, 5261, 8365.
neurosecretion 1717, 3563.
new records, Canada 2242.
new records, Poland 2210.
new records, USA California 9743.
new records, USA New York 9744.
new species, China, People's Rep. 7248.
new species/new records, Galapagos 8099.
osmoregulation 1712.
oviposition 318, 319, 1042, 9355.
oviposition/hatching 2734.
parasites birds, Germany, Fed. Rep. Heligoland 4101.
parasitism 439, 448, 1126, 1182, 2847, 2852, 3021, 3773, 4776, 7748, 7841, 7862, 8694, 8700, 9461.
pest resistance cattle 2848, 3907, 7068.
pesticide resistance 309, 2666, 3609.
pests 1194, 9585.
pheromones 1698, 7520.
populations 442, 4764, 7827, 8664.
rearing 5980.
reproduction 2692, 7646.
senses 5263.
spermatozoa 2748.
surveys, Paraguay 9558.
teratology 3442.
toxicity acaricides 313.
vector-borne diseases 1206, 2024, 2035, 2036, 2052, 3010, 3022, 3727, 3927, 3928, 3935, 4774, 4797, 4799, 5653, 5654, 6323, 7067, 7846, 7855, 7858, 7864, 7865, 8726.
vectors *Coxiella burnetii* 2999.
viruses 1205, 1211, 4772, 9262.
- Ixodoidea**,
isolation Wad Medani virus/Soldado virus 3936.
keys, Spain 2213.
- Jacobiasca***,
new species, Uganda 5922.
- Jadera haematoloma***,
secretions composition, abdomen/thorax glands 275.
- Jalmenus evagoras***,
+ *Iridomyrmex anceps*, rearing 6712.

***Jalmenus evagoras*, (continued)**

parasitism 6964.

Jamaica,first record *Tmolus azia* 723.new records *Libytheana terena* 5796.

new species Cicadellidae 3368.

new species Schizomidae 8991.

Jana,

new species, Zaire 5946, 5947.

***Janetschekbrya*,**

new species, Costa Rica 8170.

Japan,

bionomics, Drosophilidae, winter 1909.

first record *Hunterellus sagarensis* 8040.geographical distribution *Culex*, environmental factors 7607.

lakes, population levels Chironomidae 1991.

new records Eriophyidae 4993.

new records Eulophidae 4267.

new records Muscidae 1570.

new species Acari 4150.

new species Anthribidae 40.

new species Braconidae 7353.

new species Catantopidae 1530.

new species Cerambycidae 2313.

new species Ceratopogonidae 3345, 5122.

new species Chaoboridae 1474.

new species Chironomidae 2355.

new species Cicadellidae 5147.

new species Dolichopodidae 1477.

new species Encyrtidae 7355.

new species Eucinetidae 7283.

new species Machilidae 6701.

new species/new records Eucnemidae 7284.

new species/new records Syrphidae 2374.

new species/new records Tetranychidae 6552.

new species Notodontidae 126, 8271.

new species Oripodidae 4156.

new species Pamphiliidae 102.

new species Platygasteridae 2410.

new species Psychidae 8273.

new species Pyralidae 130.

new species Simuliidae 5894, 5895, 6622.

new species Staphylinidae 3334.

new species Tenebrionidae 2343.

new species Tenthredinidae 7366.

new species Thomisidae 4173.

new species Trichogrammatidae 7367.

new species Vespidae 110.

paddy fields, Syrphidae fauna 1374.

population decline *Parnassius glacialis* 9521.review *Culex* 909.review/new species *Nymphicula* 861.

revision Anthribidae 2301.

revision *Ectropis* 852.revision/geographical distribution *Chrysolina* 2315.revision/new species *Vesiculaphis* 2387.

taxonomic revision Culicidae 1476.

Japan Danjo Is.,

check lists Cerambycidae 2313.

Japan Nansei Is.,

new records Tenebrionidae 2343.

Trombiculidae fauna 9724.

Japan Shikoku,

check lists/new records Braconidae 8039.

***Japaneyrodes*,**

taxonomy 1495.

Japygidae,

new species, Greece 2350.

new species, Italy 6599.

Jarisch,O.,

bibliography 753.

***Jassus varicolor*,**

taxonomy 8230.

Java,

new species Hippoboscidae 6613.

new species Lucanidae 787.

new species Myobiidae 758.

new species Paramesitidae 4157.

new species Phthiracaridae 3275.

***Javasella dubia*,**

first record, Turkey 2226.

***Javesella pellucida*,**

transmission barley yellow striate mosaic virus 1970.

***Jobertus*,**

new species, Panama 3363.

***Johannsenomyia*,**

taxonomy 8181.

***Jonespeltis splendidus*,**cerebral gland implants, inhibition moulting, *Dysdercus**cingulatus* 1725.

ecdysterone effects on moulting 6137.

***Joppocryptus*,**

new species, Brazil 832.

***Joppocryptus egregius*,**

first record, Brazil 832.

***Joppocryptus occiputalis*,**

first record, Brazil 832.

Jordan,migration, *Lindenia tetraphylla* / *Selysiotthemis nigra* 8645.

new species Chrysomelidae 47.

new species Melyridae 2327.

new species Nitidulidae 1458.

***Josia draconis*,**

records, Jamaica 8945.

***Junceustreptus*,**

new species, China, People's Rep. 870.

Juvenile hormones,

analogues, effects on caste differentiation, Isoptera 338.

analogues, effects on chemoreceptors response sex

pheromone, *Choristoneura fumiferana* 221.analogues, effects on development *Ostrinia nubilalis* 343.analogues, effects on hatching, *Rhodnius prolixus* 3629.analogues, effects on mating, *Dysdercus koenigii* 4554.analogues, effects on sex determination, *Myzus persicae*

3648.

analogues, esterase, determination, methodology, Insecta

1546.

analogues, *Psoralea corylifolia* plant extracts, *Dysdercus**koenigii* 4547.analogues, regulation vitellogenesis, *Drosophila* 1852.

analogues/antagonists regulation flight behaviour,

Hippodamia convergens 225.biosynthesis, corpora allata, environmental effects, *Tenebrio**molitor* 3548.caste determination, *Apis mellifera* 3675.corpora allata regulation, *Leptinotarsa decemlineata* 3668.diapause, *Diatraea grandiosella* 3626.effects on acid phosphatase distribution, *Oncopeltus fasciatus*

2729.

effects on biting behaviour, *Culex* 3709.effects on midgut, metamorphosis, *Parasarcophaga**ruficornis* 2566.esterase, haemolymph *Trichoplusia ni* 2744.

Juvenile hormones,(continued)

4-oxa-farnesane derivatives activity, *Dysdercus koenigii* 1693.

inhibition cells disintegration, foregut, *Galleria mellonella* 2743.

metabolism/excretion, *Locusta migratoria* 335.

ovary development, *Epilachna vigintioctopunctata* 1831.

regulation metamorphosis, *Manduca sexta* 1051.

role, development *Mamestra brassicae* 1845.

role, polymorphism *Aphis fabae* 1841.

role, vitellogenesis, *Locusta migratoria* 3673.

Kakimia,

taxonomy 88.

Kalkiana,

new genus, India 7340.

Kaloterms approximatus,

ecological genetics, chromosomes translocations, sex linkage 7168.

Kaloterms flavicollis,

electric fields/magnetic fields effects on 2726.

morphometry 2469.

Kalotermitidae,

biology 1078, 2818.

development, environmental effects 2725.

digestive systems 5291.

ecological genetics 7168.

glands 6836.

morphology 2469.

new species, Brazil 845, 846.

radiation 2726.

sex differentiation 2474.

symbiosis 426.

Kaltenbachiola strobil,

biology/parasitism 6191.

Kamaiurana,

new species, Brazil 4245.

Keiferia lycopersicella,

attractants 2606.

chemical control/toxicity organotin compounds 2101.

development rates, temperature threshold 1796.

Kempiola shankari,

stridulatory apparatus 1734.

Kempnyia,

new species, Brazil 5965.

Kenya,

check lists/taxonomy Cicindelidae 6518.

new species Anthoridae 2381.

new species Anthribidae 6565.

new species Avenzoariidae 7.

new species Cerambycidae 8123.

new species Dytiscidae 5855.

new species Elateridae 1452.

new species Hahniidae 5068.

new species Mimetidae 5070.

new species Ochyroceratidae 5072.

new species Oxydesmidae 5221.

new species Psychodidae 4239.

new species Tethinidae 6626.

Kenya Mombasa,

new records Lepidoptera 5027.

Kermadec Is.,

new records Macrochelidae 6462.

Kermana,

new genus 6634.

Keroplastidae,

new species, Canada/USA 7311.

taxonomy 3353, 9045.

Keroplatus,

taxonomy 9045.

Kerria lacca,

natural enemies, India 2966.

Kessleria,

new species, Italy 9102.

Kessleria caflischiiella,

first record, USSR 8054.

Ketones,

4-heptanone, mandibular glands secretions, *Zacryptocerus varians* 273.

Kimminsoperla,

new species, Australia 7402.

Kineses,

see **Orientation**

Kingdonella,

new species, China, People's Rep. 141.

Kirkioestrus minutus,

immature stages/life cycles 1569.

Kleidocerys truncatulus,

ecology 2924.

Kleineella,

taxonomy 2302.

Knemidokoptidae,

new species, Australia 4151.

Knightiella,

new genus 5140.

Kodiakanalia,

taxonomy 8231.

Koenikea,

new species, Australia 8966.

Komisumena,

new genus, fossils, Oligocene, Dominican Rep. 6561.

Korea,

check lists, Lepidoptera 2207.

new species Braconidae 1505.

new subspecies *Carabus canaliculatus* 2306.

Korea, Dem. People's Rep.,

check lists Cerambycidae 5767.

check lists Ichneumonidae 5774.

check lists/new records Silphidae 3202.

new records/new species Eulophidae 4267.

new species/new records Braconidae 6656.

new species/new records Diplopoda 1536.

new species Parasitidae 5808.

new species/new records Braconidae 8245.

Korea, Rep.,

check lists Cerambycidae 5767.

check lists Ichneumonidae 5774.

new species Aphodiidae 5079.

new species Carabidae 4189.

new species Cicadellidae 5147, 5148, 7338.

new species Neanuridae 5877.

new species/new records Braconidae 6656.

new species/new records Pamphiliidae 7361.

new subspecies *Apatura iris* 8272.

Korea, Rep. Gwang Neung,

check lists Cerambycidae 5768.

Korea, Rep. Joryeong Mt.,

check lists Araneae 5764.

Korea, Rep. Seol-Ag-San Mt.,

check lists Cerambycidae 8024.

Korea, Rep. Seol-ak Mt.,
check lists Araneae 5763.

Kosala,
taxonomy 6675.

Kosciuscola,
morphology 180.

Kriti,
see **Crete**

Krivolutskiella,
new genus, Canary Is. 1422.

Kuril Is.,
new species Staphylinidae 7301.

Kurtomathrips,
larvae/host plants 8329.

L 7063,
toxicity, *Apanteles fumiferanae* /*Choristoneura fumiferana* /
Glypta fumiferanae 5387.

Labia,
new species, Borneo 2349.

Labidura riparia,
abundance, chemical control effects on 8653.
oviposition, neurosecretion, exocytosis, aorta 3567.
vitellogenesis, farnesol effects on 8522.

Labiduridae,
behaviour 6944.
communities 8653.
neurosecretion 3567.
new species, Afghanistan/Viet Nam 1467.
population dynamics 4750.
reproduction 8522.

Labidus coecus,
flight periodicity 1105.

Labiidae,
new species, Borneo 2349.
new species, Ethiopian Region/Neotropical Region/Oriental
Region 8172.
new species, Guyana 9031.
new species, Sarawak 5120.

Labops hesperius,
pest resistance *Agropyron* 9633.

Lacanobia aliena,
first record, Denmark 1377, 3220.

Laccifer lacca,
alary dimorphism, males 5436.

Lacciferidae,
reproduction 5436.

Laccobius,
taxonomy 7286.

Laccophilus mexicanus,
flight diel periodicity, environmental effects 1154.

Lacoptera,
immature stages 2475.

Lachesillidae,
new species, Brazil 2442.
taxonomy 5966.

Lachnosterna consanguinea,
insecticides toxicity 3608.

Lacon conspersus,
first record, Poland 1366.

Lactones,
parthenin, effects on heart, *Melanoplus sanguinipes* 9189.

Lactrodectus,
bites, man, review 3596.

Laelapidae,
development 6115.
new species, Brazil 5803.
new species, China, People's Rep. 7249.
parasites mammals, population levels, Egypt, Arab Rep.
Assiut 3771.
parasitism 3769.

Laelaps,
new species, Australia 757.
new species, China, People's Rep. 7249.

Laelaptidae,
new records, Thailand 4137.

Laelia raczi,
geographical distribution, Hungary 2233.

Laelius pedatus,
parasitism *Anthrenus verbasci* 9455.

Laemobothriidae,
new records, Spain 5018.

Laemobothrion vulturis,
first record, Spain 5018.

Laelitia coccidivora,
predation *Dactylopius* 402.

Lagodias,
taxonomy 6603.

Lagynodes,
new species, Brazil 836.

Lagynodes acuticornis,
gynandromorphs 836.

Lakes,
benthos Chironomidae, population density, USA California
1278.
Chilua L., India Gorakhpur, pollution effects Insecta fauna
1283.

Chironomidae colonization/community composition,
Liptovska Mara Reservoir, Czechoslovakia 1274.
Great Salt Lake, USA, ecology *Ephydra cinerea* populations
1279.

Lallemandana,
new species, Polynesia 7336.
new species, Solomon Is. 6641.

Lambdina fiscellaria,
Entomophthora egressa pathology, haemocytes response
1751.

pest status, Canada 3981.

Lamiinae,
taxonomy 1026.

Lampona cylindrata,
bites, new records, New Zealand 6320.

Lampridius,
taxonomy 3367.

Lamprocabera,
taxonomy 5187.

Lamproceps,
new species, Australia 1493.

Lamprolonchaea,
new species, Ethiopian Region 9048.

Lamproscatella,
taxonomy/phylogeny/zoogeography 4235.

Lampyridae,
behaviour 5449, 6917.
bioluminescence 277, 1736, 2638, 3571, 4725, 7541, 8449.
communication 6930, 6932.
defence 9214.
new records, USA 8933.

- Lanceonotus**,
new species, India 4257.
- Langelandia**,
new species, Yugoslavia 3297.
- Languria erythrocephalus**,
biology 2792.
- Languridae**,
biology 2792.
- Lanibelba**,
new genus, Nearctic Region 5801.
- Lao, People's Dem. Rep.**,
new species Buprestidae 8115.
new species Lucanidae 787.
new species Meloidae 9014.
- Laodelphax striatellus**,
alar dimorphism 3167.
attractants, *Oryza sativa* plant chemicals 9490.
pathogenicity *Verticillium fusisporum* 3580.
transmission barley yellow striate mosaic virus 1970.
- Laotioe populi**,
geographical distribution, Spain 699.
- Laphomma punctatum**,
phenology 2781.
- Laphria ephippium**,
first record, Czechoslovakia Bohemia 1371.
- Lapidoniptus**,
new genus 7292.
- Larca**,
new species, USA 8987.
- Lardoglyphus konoi**,
alarm pheromone 3703.
infestations, stored products, India Kerala 4820.
- Lariidae**,
taxonomy 856.
- Larinocerus**,
taxonomy/phylogeny 811.
- Larvae**,
Aedes, phenology, USSR Middle Volga 411.
- Agabus* 197.
- Aglia tau* 1104.
- Allylus* 3739.
- Amara* 8997.
- Amblycerus acapulcensis* / *Amblycerus robinae* 4331.
anatomy, *Solenopsis invicta* 1591.
- Antipodophlebia asthenes* 1573.
- Ascalaphidae 2480.
- Asosylus rhyssoides* / *Sosylus* 1568.
- Automeris io*, dermatitis, man 2011.
- Bombus* 897.
- Bombyx mori*, diets 3614.
- Brachyptera braueri* / *Perlodes microcephalus* 353.
- Bruchidius* 194.
- Calliphoridae/Sarcophagidae 191.
- Carabidae 1574.
- case construction, *Coleophora scabrata* 1564.
- case construction, *Glossosoma intermedium* 1913.
- Chironomidae, respiratory systems 2558.
- Coenagrion* 2483.
- Coenagrion interrogatum* 2479.
- Coleophora* 3381.
- Colydiidae 2482.
- Conicobrachus* 898.
- cuticle deposition, role hormones, *Schistocerca gregaria* 1605.
- development/feeding, *Saga natoliae* 1021.
- Dicosmoecus gilvipes*, activity patterns, seasonal variations 1904.
- Dinopsyllus* 2486.
- Dipluriella loti* 1103.
- Ditomyiidae 193.
- Drosophila melanogaster*, adenosine metabolism 3529.
- Drosophila melanogaster*, guanine/guanosine metabolism 3530.
- Drosophila melanogaster*, purines metabolism 3537.
- Dytiscidae, mouthparts, functional morphology 1665.
- Gracillaria elongella*, mouthparts/host plants 470.
- growth/survival, intraspecific interactions, *Mortier obscurus* 1985.
- Harpalus circumpunctatus* 3439.
- head, morphology, *Lymantria obfuscata* 3441.
- Heliothis armigera*, behaviour/pest status, Thailand 2777.
- Heliothis virescens*, cannibalism/predation, behavioural genetics 4077.
- Hydropsychidae, sound production, ultrasound 2636.
- Hylesia corevia* 903.
- Insecta, buoyancy, dissolved gases 1284.
- Latoia vivida*, venom, toxicology 2685.
- Lepidoptera 3437.
- Lepidoptera, midgut pH, adaptations, host plants 2563.
- Leptophlebiidae, anatomy 206.
- Limnephilidae, keys, British Isles 1572.
- Listropsylla* 2487.
- Manduca sexta*, development/behaviour 1020.
- Megacerus cubicus* 186.
- Mocis* 187.
- morphology, *Vespa luctuosa* 578.
- morphology/development, *Amara* 1577.
- Muscidae 1570.
- Myrmecixenus* 2476.
- nutrition, amino acids effects on growth, *Tenebrio molitor* 1663.
- Onthophagus mederensis* 899.
- Oulimnius bertrandi* 2320.
- Oxyagron evanescens* 1567.
- Phaenocarpa persimilis* 895.
- Philosamia ricini*, cold acclimation 1709.
- photoperiod sensitivity/juvenile hormones effects on development, *Epilachna vigintioctopunctata* 1831.
- Phyllocentropus* 1534.
- Plagiognathus albatrus* 3733.
- Platypleura kaempferi*, spatial distribution, soil 3113.
- polymorphism/caste differentiation, *Camponotus aethiops* 1576.
- Pyrallidae 1566.
- Raptobaetis orientalis* 2488.
- Scolia sinensis* 2831.
- setae, *Periplaneta* 5247.
- sex differentiation, *Hyalophora gloveri* / *Antheraea polyphemus* 196.
- Simuliidae, feeding behaviour 2827.
- Sitona hispidulus* 1892.
- Stethorus* 1446.
- Stichotaenia ferva* 894.
- Stichotaenia quadrisignata* 900.
- Tabanidae 3436.
- Tabanus cordiger* 7920.
- Tachinidae 190.
- Taeniopteryx* 195.
- Tenebrionidae 5997.
- Tinodes maculicornis* 2481.
- Tribolium castaneum*, heterosis/weight, genotype-environment interactions, population genetics 2184.
- Trogoderma angustum*, hypersensitivity, man 2031.
- Wiseana* / *Costelytra zealandica*, sampling, methodology

Larvae, (continued)

3431.

Larvicides,see **Insecticides****Lasiocampidae,**

behaviour 4609.

biological control 6374, 7085, 7094.

biology 407.

biology/zoogeography 396.

development/immature stages 5990.

integrated control 6334.

life cycles 3232, 9387.

natural enemies 1928.

neurosecretion 8439.

new records, France 8044.

new species, China, People's Rep. 6674.

new species/new records, China, People's Rep. 5191.

new subspecies, Spain 7375.

pathology 2648, 5360.

pesticide resistance 3605.

pests 7095.

pheromones 980, 8431.

populations 5497.

predation 2912, 5615.

rearing 1103.

taxonomy 6675.

Lasioderma serricorne,

control, freezing 9598.

population density, *Nicotiana* stored products effects on 5568.

repellents, diethyltoluamide 3551.

sex pheromone 8432.

toxicity fumigants 9290.

Lasioglossum,

taxonomy 5169, 5170.

Lasioglossum zephyrum,

flight activity, pollution effects sulphur dioxide 1973.

nesting behaviour, activity patterns, diurnal variations 381.

Lasiohelea,

feeding site selection/seasonal variations abundance 8712.

Lasiohelea taiwana,

biology/feeding/breeding sites 6200.

Lasiomma anthracina,

biological control 7100.

Lasiommata petropolitana,

geographical distribution, Hungary Zempleni Mts. 2232.

Lasiophthicus coronata,

taxonomy 9054.

Lasiopleura fuscipes,

taxonomy 795.

Lasiopogon cinctus,

new records, British Isles Cumbria 655.

Lasiopsis,

new records, Afghanistan 4209.

new species/new records, Afghanistan 4209.

Lasioseius,

new species, Hungary 2284.

Lasius,

metabolism, isoxanthopterin/riboflavin 9217.

predation 7001.

spatial distribution, nests, environmental factors 6306.

Lasius flavus,

nests 8781.

Lasius niger,

estimation population density, sampling 481.

trail following behaviour, colonies specificity 1870.

Lasius niger,

distribution, environmental effects 1875.

pollution indicators, Poland Warsaw 2914.

retrocerebral complex, ultrastructure 5262.

social behaviour 7908.

Laspeyresia pomonella,

granulosis virus, bioassays/infection 8451.

pupation, hormones regulation 1052.

Laspeyresia youngana,

biological control 7100.

Lastrema verrucicollis,

larvae 2482.

Latheticus oryzae,

development, environmental effects 2708.

Lathridiidae,

check lists/new species, Ethiopian Region 5833.

check lists/new species, Tanzania 2324.

communities 7045.

new records, Italy 6504.

new species, Argentina 4202.

new species, USSR 6583.

new species, Viet Nam 4203.

Lathrimaeum atrocephalum,

oxygen consumption, diapause, environmental factors 6807.

Lathrobium,

new species, Italy 9028.

new species, Nearctic Region 9026.

Latoia vivida,

larvae, venom, toxicology 2685.

Latrodectus,

biology/ecology, Argentina Buenos Aires 482.

development 5391.

ecology 4730.

Latrodectus antheratus,

venom, toxicology 8481.

Latrodectus hesperus,

defensive behaviour 6209.

necrophagy 9444.

Latrodectus pavlovskii,

distribution/ecology, USSR Uzbekistan 6273.

Latrodectus tredesinguttatus,

venom, protein kinase 7566.

I. aurhervasta,

new species, South Africa 4294.

Lauxaniidae,

new species, Mexico 8191.

new species, Palaearctic Region 8173.

taxonomy 6600.

Lead,effects on development, *Scotia segetum* 6894.toxicity, *Tanytarsus dissimilis* 1778.**Lealopria,**

termitophily/new species, Australia 1507.

Learning,see also **Behaviour**avoidance learning/transfer learning, physiology nervous system, *Periplaneta americana* 2535.behavioural genetics, AMP (cyclic) phosphodiesterase/dunce mutant, *Drosophila melanogaster* 5727.behavioural genetics, *Apis mellifera* 6436.brain proteins biosynthesis, *Stagmatoptera biocellata* 3484.classical conditioning, olfaction, *Musca domestica* 2773.cycloheximide effects on, *Stagmatoptera biocellata* 3471.*Drosophila melanogaster* 3705.environmental effects, *Apis mellifera* 7679.foraging behaviour, *Bombus* 1890.

Learning,(continued)

habitat preferences, *Camponotus vagus* /*Formica polyctena* 2772.
 host selection, *Trichogramma embryophagum* parasitism *Ephestia kuehniella* 3762.
 maze learning, *Lepisma saccharina* 1874.
 mechanisms, *Stagmatoptera biocellata* 3706.
 neurochemistry, *Schistocerca gregaria* 5467.
 olfactory discrimination learning, *Periplaneta americana* 5468.
 partial reinforcement, social behaviour, *Apis mellifera* 8569.
 role brain peptides, *Stagmatoptera biocellata* 3483.
 short term memory localization, *Apis mellifera* 6010.
 tryptophan mutants, *Apis mellifera*, behavioural genetics 3162.
Lebanon,
 new species Baetidae 8205.
 taxonomy/zoogeography Zygaenidae 8050.
Lecanium,
 taxonomy 1495, 8239.
Lecanium krugeri,
 taxonomy 2392.
Lechanteuria,
 taxonomy 5103.
Lechytia,
 new species, fossils, Oligocene, Dominican Rep. 5830.
 new species, India 5828.
Lecithins,
 artificial diets, nutrition, *Aedes aegypti* 9213.
Leehelea,
 taxonomy 8181.
Leiobunidae,
 taxonomy 4178, 8985.
Leiobunum,
 taxonomy 4178.
Leiobunum limbatum,
 ecdysones secretion, leg oenocytes 9222.
Leiobunum serratipalpe,
 taxonomy 8985.
Leiodidae,
 mutualism 9448.
 new species, Sarawak 6584.
 new species/ecology, Panama 9013.
 traps 8305.
Leiomyza,
 new records, Czechoslovakia 3209.
Leiothron,
 parasitism Miridae 6980.
Leiothron maculipennis,
 parasitism *Diaphnocoris chlorionis* 7742.
Leiosoma,
 new species, France 3317.
Leiosoma oblungulum,
 first record, British Isles Cumbria 2199.
Leiparthrum,
 taxonomy 7296.
Leistus,
 taxonomy 9000.
Leirus quinquestriatus,
 temperature preferences 6952.
Longia,
 taxonomy 34.
Lema puncticollis,
 chromosomes 5734.
Lemophagus curtus,
 biological control *Oulema melanopus* 5704.

Lepeorus goyi,
 larvae, head 8330.

Leperistinus,
 emergence/development/parasitism 4621.
 sound production/mating 5354.

Lepidiotia stigma,
 biology 5481.
 pathogens 5370.

Lepidochrysops,
 new species, Malawi 124, 855.

Lepidochrysops cupreus,
 taxonomy 855.

Lepidoptera,
 abundance/association Compositae 460.
 activity patterns 4620.
 attractants, acetates 976.
 behaviour 4702, 8605.
 biological control 1251.
 British Isles/Ireland, book 743.
 British Isles Warwickshire, book 739.
 cell culture 3447.
 cell culture, methodology 6715.
 check list, France Paris 2230.
 check lists, Australia New South Wales 8083.
 check lists, Czechoslovakia Ceske Velenice 3219.
 check lists, France Creuse 682, 685.
 check lists, France Drome 4125, 4127.
 check lists, Iran 1382.
 check lists, Korea 2207.
 check lists, Spain Huelva 1387.
 check lists, Spain Huesca 701, 702.
 check lists, Spain Leon/Oviedo 703.
 check lists, Spain Murcia 705.
 check lists, Spain Pyrenees 5016.
 check lists, Spain Sierra de Albarracin 3231.
 check lists, Spain Sierra Tejeda 704.
 check lists, USA Montana 719.
 check lists/new records, Uruguay 1415.
 chromosomes 8825.
 chromosomes, evolution 2146.
 cultural control 7092.
 development, environmental effects 2725.
 ecology 4739.
 ecology, Pteridophyta 462.
 ecology/zoogeography, New Caledonia, book 2267.
 energetics 7026.
 equipment, mating 1543.
 evolution 1356, 7172, 7176.
 fauna, Cayman Is. 7230.
 fauna, France Paris 681.
 fauna/zoogeography, Australia 8082.
 feeding 5981.
 Finland 680.
 geographical distribution, British Isles Yorkshire 5762.
 glycogen storage 1671.
 growth regulators, *Santalum album* plant extracts 2728.
 habitats, France Mont Ventoux 495.
 Hawaii, book 738.
 host plants 6251, 8634.
 host plants, evolution, review 1139.
 host plants, Hungary 2860.
 hypersensitivity, man 9575.
 immature stages 5991.
 immigrants, Denmark 679, 1377.
 immigrants, Hungary 2208.
 larvae 3437, 4333.
 larvae, electrical stimulation, equipment 886.

Lepidoptera, (continued)

- life cycles 6955.
 migration, British Isles 8009.
 migration, Netherlands 6514.
 mimicry, evolution 3177.
 new records, Austria/Italy Tyrol 9740.
 new records, Bulgaria 7187.
 new records, Germany, Fed. Rep. Saar 689.
 new records, Hungary 2235.
 new records, Kenya Mombasa 5027.
 new records, Netherlands 697.
 new records, New Zealand Urewera National Park 6464.
 new records, Norway 5015.
 new records, Poland 666, 698.
 new records, Spain Navarra 3233.
 new records, Sweden 706, 8053.
 new records, USA Kentucky 2252.
 new records, USA New Jersey 718.
 new records immigrants, British Isles 659.
 olfactometers 5987.
 parasitism 8614.
 pathology 9259.
 pests, *Mangifera indica*, Pakistan Karachi 3099.
 pheromones 4312, 6051.
 pheromones bioassays, equipment 1559.
 pollination *Asclepias curassavica* 2879.
 population levels, seasonal variations, Saudi Arabia Al-Hassa 3879.
 population models 3896.
 populations, Canada Quebec 1406.
 populations, species diversity, urban environments, Spain Madrid 488.
 radiation effects on 1041.
 rearing 166.
 reproduction 4559.
 rhythms 5474.
 taxonomy 5945, 9089.
 tracking methodology 1555.
 traps 3420.
 viruses 5364.
 zoogeography 5786, 8048.
Lepidosaphes beckii,
 chemical control 4843.
Lepidosaphes cornutus,
 chemical control 6347.
Lepidospora,
 taxonomy 3410.
Lepidostoma,
 niche separation/population dynamics, forests streams 4858.
Lepidostomatidae,
 population dynamics 4858.
Lepisma,
 new species, USSR 153.
Lepisma saccharina,
 amino acids, haemolymph 9219.
 maze learning, role sense organs 1874.
 oocytes 8505.
Lepismachilis targionii,
 oogenesis, ultrastructure 348.
 vitellogenesis 5444.
Lepismatidae,
 amino acids 9219.
 learning 1874.
 new species, USSR 153.
 nucleic acids 2127.
 reproductive systems 8505.
 skeleton 5318.
Leptagrion bocainense,
 morphology/ecology/phylogeny 1585.
Leptamorphocephalus,
 taxonomy 2302.
Leptathamus,
 new genus, Papua New Guinea 1433.
Lepthyphantes,
 taxonomy 8017.
Leptinidae,
 populations/zoogeography 9414.
Leptinotarsa,
 taxonomy 777.
Leptinotarsa decemlineata,
 artificial diets 6817, 7493.
 biological control 3961.
 chemical control, review 7886.
 colour mutants 6433.
 corpora allata regulation, juvenile hormones 3668.
 defoliation *Solanum*, effects on yield 2880.
 ecdysones, reproduction/diapause 7633.
 elytra, diflubenzuron effects on 7600.
 flight metabolism, amino acids 3459.
 flight muscle, proline/pyruvate metabolism 1682.
 metabolism, isoxanthopterin/riboflavin 9217.
 metabolism flight/starvation 4408.
 metamorphosis, fat body development/nucleic acids 1689.
 pest resistance *Solanum chacoense* 2875.
 pest status, *Solanum tuberosum*, mathematical models 5697.
 pesticide resistance 1759.
 photoperiod effects on development 2736.
 records, British Isles 3187.
 thorax morphology 5999.
 transmission potato spindle tuber viroid 1234.
Leptinus americanus,
 abundance/geographical distribution, Nearctic Region 9414.
Leptobelus,
 genitalia, phylogeny 9144.
Leptocera,
 new species, USA 8196.
 new species, USSR 4240.
 population levels, soil moisture effects on 7803.
Leptoceridae,
 morphology 4337.
 new records, Poland 6702.
 new species, Morocco 3411.
 new species, Spain 156.
 new species/new records, Papua New Guinea 154.
 phoresy 3120.
Leptoconops,
 breeding sites, USSR Donetsk 1975.
Leptocoris,
 taxonomy 6635.
Leptocoris trivittatus,
 spermatogenesis, ultrastructure 321.
Leptocoris acuta,
 damage/pest resistance *Sorghum vulgare* 2878.
Leptocoris chinensis,
 host searching behaviour, diel variations 4688.
Leptodirus hohenwarti,
 traps 9127.
Leptodirus hohenwarti,
 ecological genetics, enzyme polymorphism 4967.
Leptogastridae,
 types 4222.

- Leptogenys**,
glands, abdomen 1727.
- Leptoglossus**,
new species, Costa Rica/Panama 8213.
- Leptoglossus australis**,
biology/pest status, *Trichosanthes anguina*, India 1883.
- Leptoglossus corculus**,
pest status, *Pinus taeda* seeds 7874.
- Leptomorphus walkeri**,
immature stages/webs 5244.
- Leptomylrmex**,
new species, fossils, Dominican Rep. 5933.
- Leptoneta**,
new species, France 1434.
taxonomy 2278.
- Leptonetidae**,
new species, France 1434.
taxonomy 2278.
- Leptoperla**,
new species, Australia 7402.
- Leptophlebia marginata**,
behavioural genetics, swarming behaviour, enzyme
polymorphism effects on 3160.
- Leptophlebia vespertina**,
overwintering survival, anoxia 6949.
- Leptophlebiidae**,
behavioural genetics 3160.
development 4863.
larvae, anatomy 206.
new records, Finland/Norway 5007.
new species, Argentina/Chile 2380.
new species, Morocco 8206.
new species, New Caledonia 1490.
new species, Panama 80.
overwintering 6949.
- Leptophobia aripa**,
host plants 562.
- Leptophyes punctatissima**,
embryology, humidity/temperature effects 9309.
geographical distribution/biology, Sweden 7212.
sound production 368.
- Leptopilina**,
revision 5166.
- Leptopterna dolabrata**,
diapause, eggs 9318.
- Leptosaldidae**,
new species, Ecuador 5923.
- Leptoscapa**,
new species, Sri Lanka 1463.
- Leptoternis candidus**,
first record, Spain 5959.
- Leptotes marina**,
first record, USA Kentucky 2252.
- Leptothea galbula**,
aggression/territorial behaviour 360.
- Leptothorax allardyei**,
social hierarchy 9641.
- Leptothrips mali**,
biology 5480.
- Leptotrichus panzeri**,
life cycles 9407.
- Leptotrombidium**,
new species, Malaysia 6554.
- Leptotyphlus**,
new species, France 3331.
new species, Italy 56.
new species, Sardinia 793.
- Leptura inexpectata**,
first record, Italy 668.
- Leptusa**,
new species, Austria 3333.
taxonomy 5873.
- Leptyphantes istrianus**,
taxonomy 8978.
- Leptyphantes zimmermanni**,
first record, Czechoslovakia 7183.
- Lesotho**,
new species Lycosidae 6559.
- Lespesia**,
taxonomy 2376.
- Lesser Antilles**,
revision Cerambycidae 1412.
- Lestes disjunctus**,
larvae, spatial distribution, food availability 7835.
- Lestes eurus**,
first record, USA Tennessee 5037.
- Lesteva sicula**,
new records, German Dem. Rep. 4995.
- Lesticus**,
new species, Indonesia 8999.
- Lestidae**,
new records, USA Tennessee 5037.
populations 7835.
- Lestonocoris**,
new species, Pakistan 7332.
- Lethe portlandia**,
first record, USA Kentucky 2252.
- Lethocerus**,
taxonomy 2382, 5908.
- Lethrus**,
new records, Afghanistan 4209.
- Lethrus apterus**,
visual perception, orientation 7468.
- Leucania**,
attractants, pheromone traps 6822.
- Leucania separata**,
spermatophores formation/mating 363.
- Leucauge**,
new species, Comoro Is. 5816.
revision, Nearctic Region 1430.
- Leuctnodes orbonalis**,
pest resistance *Solanum melongena* 4687.
- Leucodonta bicoloria**,
parasitism 1172.
pest outbreaks/biology, forests, USSR 1894.
- Leucoma salicis**,
natural enemies, USA Maine 7818.
predation effects on populations 2912.
- Leucoma wiltshirei**,
biology/control 7832.
taxonomy/morphology/geographical distribution, Iran 6367.
- Leucophaea**,
taxonomy 35.
- Leucophaea maderae**,
chitin biosynthesis inhibition, insecticides 922.
circadian rhythms, locomotor activity 4382.
circadian rhythms locomotor activity, ontogeny 939.
cuticle permeability, gut 2571.
embryogenesis, ecdysones 6047.
juvenile hormones, oogenesis 5323.
midgut, protease 5290.
muscles, caffeine/proctolin 4348.
oogenesis 9342.
oogenesis, juvenile hormones 4570, 4576.

- Leucopholis rorida***,
biology 5481.
pathogens 5370.
Leucopis bosqi,
predation *Alichtensia orientalis* 1093.
Leucoptera meyricki,
pest resistance *Coffea* 1962.
Leucoptera scitella,
plant mines, spatial distribution, seasonal variations 3834.
Leucorrhinia orientalis,
geographical distribution, USSR Siberia 5776.
Leucrocuta,
new genus 6627.
Leuctra digitata,
life cycles/dispersal 7786.
Leuctra nigra,
larvae, distribution/abundance, streams 3999.
Leuctra tenella,
development, water temperature effects on 4863.
Leuctridae,
development 4863.
ecology 3999.
Libelloides,
larvae 2480.
Libellula depressa,
midgut ultrastructure 5289.
proprioceptors, abdomen 7477.
Libellulidae,
amino acids 6802.
behaviour 5512.
chromosomes 1319.
circulatory system 5283.
digestive systems 5289.
ecology 4727.
immature stages 9138.
metabolism 8354.
new records, New Zealand 6494.
new records, Sardinia 8924.
new records, Spain 5023.
new records, Syria 8056.
new records, USA Tennessee 5037.
new species, Malagasy Rep. 7397.
osmoregulation 6063.
pathology 6851.
sense organs 7477.
Libya, Arab Rep.,
new subspecies *Hadena trisagittata* 1520.
Libythea labdaea,
migration, Nigeria 8647.
Libytheana terena,
new records, Jamaica 5796.
Libytheidae,
migration 8647.
new records, Jamaica 5796.
Lichnanthe,
new species, USA 8151.
Licinidae,
taxonomy/zoogeography 8148.
Licneremaeus,
new species, Tunisia 2282.
Lidopiella,
new genus, Panama 8219.
Lidopus,
taxonomy 8219.
- Life cycles**,
Acanthosomatidae 4145.
Acrididae, review 4612.
Acutalis tartarea 5924.
adaptations, host plants phenology, *Alsophila pometaria* 5523.
adaptations, pools, *Chironomus imicola* / *Dasyhelea thompsoni* 8672.
aestivation, *Agabus bipustulatus* 4640.
Aethes fennicana 7683.
aggregation/migration, *Hippodamia* 6933.
Agonum retractum 3821.
Agriotypus armatus 6229.
Agromyza frontella 5487.
Alenophalera bronneomixia 4652.
Alophora lepidofera 6731.
Amara 1577.
Amblyomma tholloni 9405.
Amphinemura 9389.
Amphipoea interoceana 1077.
Anagyrus pseudococci, parasitism *Planococcus citri* 3729.
Anartia 2435.
Ancylic discigerana 9380.
Andrallus spinidens 378.
Anthonomus rubi 3029.
Apanteles 1908.
Apateticus bracteatus 2789.
Aphelopus / *Chalarus* / *Ismarus dorsiger* 430.
Aphididae 4736.
Aphis barberae 7036.
Aphytis chilensis / *Aspidiotiphagus citrinus* 9456.
Apion curtirosire, *Rumex acetosa* host plants 1947.
Apion violaceum, *Rumex obtusifolius* host plants 1948.
Arcynopteryx compacta, freshwater environments, high-altitude environments 1880.
Argas persicus 4610, 7685.
Athalia proxima 8575.
Belostoma 9410.
bionomics, hempa effects on, *Cimex hemipterus* 6138.
bionomics, *Quadraspidiotus perniciosus* 8576.
bionomics, *Trialeurodes vaporariorum* 6206.
Bombus / *Psithyrus* 5486.
Caenis robusta, England 1096.
Carabus problematicus 1100.
Cermatulus nasalis / *Oechalia schellebergii* 6935.
Cerotoma trifurcata 7096.
Charaxes marieps 9403.
Chionanthobius 8140.
Chiracanthium mildei 7686.
Chironomidae 8788.
Chironomus anthracinus 1898.
Chrysopa boninensis 2787.
Cicadellidae 5627.
Cicadidae 384.
Cicindela ancocisconensis 3721.
Cleobora mellyi / *Harmonia conformis* 385.
Cleora cinctaria 7712.
Cloeon dipterum 2793.
Coccinella undecimpunctata 1914.
coexistence/population dynamics, review 6936.
Coleophora albicosta 379.
Conoderus 4637.
Conophthorus resinosae 4719.
Contarinia nasturtii 8603.
Coptopteryx viridis 373.
Corythucha associata 3719.
Costelytra zealandica, environmental effects 3730.

Life cycles,(continued)

- Ctenocarabus galicianus* 2800.
Culex quinquefasciatus 8602.
Curculio chinensis 7871.
Cuspicona simplex /*Monteithiella humeralis* 1896.
Dacus oleae 6197.
Damalinea bovis /*Linognathus vituli* 9557.
Dasyneura oleae 2779.
 defence, role hastisetae, *Trogoderma* 6958.
 demography/life history, geographical variations, *Apis mellifera* 9639.
Dendroctonus ponderosae 3075.
 development/oviposition/predation, temperature effects, *Thanasimus dubius* 6182.
Diacrisia obliqua 410.
Diadegma cerophagus, parasitism *Plutella xylostella* 7740.
 diapause, ecophysiology, *Drosophila* 4533.
 diapause, eggs *Extatosoma tiaratum* 4619.
 diapause, environmental factors, *Cydia pomonella* 4540.
 diapause, environmental factors, *Microctonus vittatae* 4535.
 diapause, geographical variations, *Drosophila auraria* 4536.
 diapause, *Rhyacionia frustrana* 5398.
 diapause/flight activity/host plants, *Ditula angustiorana* 7709.
 diapause/voltinism, ecological genetics, *Drosophila* 8878.
Dinorhynchus dybowskyi 1888.
 distribution/survival, plants/environmental effects, *Choristoneura fumiferana* 2961.
Dryinidae 436, 5546.
Dryocosmus kuriphilus + parasites 1083.
Eldana saccharina 4611.
 emergence, geographical variations, *Megachile rotundata* 8591.
 emergence, temperature effects, pests Insecta 8650.
 emergence/development/parasitism, *Leperisinus* 4621.
 emergence/flight, environmental factors, *Dryopoidea* 5492.
Ennomos subsignarius 2815.
 environmental effects *Chironomus anthracinus* British Isles, Northern Ireland, Neagh L. 1898.
 environmental factors, *Amblyomma variegatum* 5484.
 environmental factors, *Dermatophagoides pteronyssinus* 6143.
 environmental factors, reservoirs, *Heterocloeon curiosum* 9659.
 environmental factors, *Simulium* 5488.
 Ephemeroptera, Coquet R., British Isles Northumberland 1280.
 Ephemeroptera, USA Connecticut 5722.
 Ephemeroptera/Plecoptera 2118.
Epicharis zonata 9428.
Eriocampidea arizonensis 8256.
Euleia heraclei 6202.
Euphydryas chalcedona 4752.
Eurosta 376.
Extatosoma tiaratum 4638.
 fecundity, seasonal variations, Aphididae/Callaphididae 4650.
 feeding *Acer saccharum*, *Glycobius speciosus* 5658.
 feeding/humidity effects on, *Bactra verutana* immature stages 9433.
 feeding/oviposition, *Epilachna varivestis* 5524.
 feeding/oviposition, interspecific interactions, *Plagioderma versicolora* 5496.
Ferrisia virgata 1902.
 flight activity, phenology, *Heliothis armigera* 9432.
 flight activity, phenology, mathematical models, *Spodoptera exigua* 9409.
Formica cinerea 2788.
Fucellia capensis 9397.
 geographical variations, *Chrysopa downesi* 8597.
 geographical variations, *Papilio polyxenes* 6946.
Gerridae 7115.
Glycine max effects on, *Anticarsia gemmatalis* 8582.
Glycyphagus microti 6548.
 habitats/breeding sites *Nymphalis milberti* 393.
Halictophagus 5219.
 hatching, environmental factors, *Catocala* 5500.
 hatching, environmental factors, *Ceropastes ceriferus* 5408.
Heliconius xanthocles 3839.
Heliothis armigera 2797, 7902.
Helophorus 1891.
Hemicordulia tau 7697.
Heteroplectron americanum 1092.
Histiosoma cataglyphi 5499.
 host plants, *Myzus persicae* 9384.
Hyalomma anatolicum 2802.
Hyalomma marginatum 2816.
Hybomitra montana 1881.
Hylesia 395.
 Hymenoptera parasites *Atherigona soccata* 2780.
Hypogastrura tullbergi, Arctic Zone 4615.
Hypogymna morio 1900.
Ictinogomphus rapax 8585.
 infestations *Apis mellifera* colonies, *Galleria mellonella* 7694.
 infestations *Pinus taeda*, sex ratios, *Dendroctonus frontalis* 7077.
Ischiodon escutellaris 9406.
Kirkioestrus minutus 1569.
Kleidocerys truncatus 2924.
Leptotrichus panzeri 9407.
Leuctra digitata 7786.
Limnogonus recurvus 9377.
Lithocolletis joviella 7707.
 longevity, environmental factors, *Loxosceles laeta* 5389.
 longevity, *Myrmecia* 9415.
 longevity, soil organic matter effects on, *Coptotermes formosanus* 6112.
 longevity/reproduction, nutrition effects on, *Wyeomyia smithii* 4726.
Macropis nuda 6188.
Magarodes capensis 9383.
Manduca sexta 1020.
Mansonella perturbans 8593.
 mathematical models 5527.
 migration/size, host plants, effects on, *Dysdercus* 6194.
Misumenops tricuspidatus 4648.
Myriophyllum aquaticum host plants, *Lysathia ludoviciana* 7769.
Nemoraella pellucida 1172.
Neochetina affinis 9381.
Nerium oleander host plants, *Oncopeltus fasciatus* 1144.
Oberea erythrocephala 5566.
Odagmia, Czechoslovakia 1877.
Oedoparena glauca 9398.
Olycella subumbrella 7684.
Oncopeltus 1028.
Onthophagus gazella, Africa, Sahelian Zone 9386.
Onthophagus granulatus 7804.
Oribatei 9434.
Ornithodoros amblyus 9402.
Ostrinia furnacalis 399.
Ostrinia nubilalis 544, 7692.
 overwintering, *Anthophila fabriciana* 6192.
 overwintering, castes, *Myrmica* larvae 9421.
 overwintering, cold tolerance/mortality factors, *Aphidecta*

Life cycles,(continued)

- obliterata 4646.
 overwintering, *Drosophila* 6187.
 overwintering, metabolism, *Epilachna chrysomelina* 6796.
 overwintering, *Polistes fuscatus* 3742.
 overwintering, reproduction, *Culex* 7719.
 overwintering survival, anoxia, *Leptophlebia vespertina* 6949.
 oviposition, seasonal variations, *Chrysodeixis argentifera* 8595.
 oviposition/development, environmental factors,
 Gastrimargus transversus 8530.
Ozola minor 1884.
Pachygasteria trifolii 3232.
Panolis flammea 1101.
Papilio polyxenes 7705.
Paraceratitella eurycephala 9419.
Pararge aegeria 1912.
Paraswammerdamia lapponica 6516.
Parnassius glacialis, Japan 9521.
Patanga succincta 8584.
Pediobius foveolatus 9431.
Pemphigus populitranversus morphs 4617.
Perrybrhis lypera 391.
 phenology, *Adalia bipunctata* /*Coccinella* 9337.
 phenology, *Anarsia lineatella* 6207.
 phenology, *Antonina graminis* /*Odonaspis ruthae* 6950.
 phenology, *Aphelopus* /*Chalarus* 4630.
 phenology, diapause, *Tetranychus* 7593.
 phenology, Elateridae 6184.
 phenology, Empididae 5723.
 phenology, environmental factors, *Quadraspidiotus perniciosus* 5629.
 phenology, environmental factors, *Rhipicephalus appendiculatus* 9427.
 phenology, *Eudioctria tibialis* 8579.
 phenology, *Formica lugubris* 9420.
 phenology, *Malacosoma americanum* 9387.
 phenology, *Oscinella* 5518.
 phenology, Papilionoidea 8083.
 phenology, *Pidonia* 4653.
 phenology, *Quadraspidiotus perniciosus* 8589.
 phenology, Sphaeroceridae 7803.
 phenology, Syrphidae 7199.
 phenology, Trichoptera 6940.
 phenology, *Zonocerus variegatus* 5514, 5516.
 phenology *Ephestia elutella*, warehouses 5702.
 phenology *Nezara viridula* 4654.
 phenology *Oliarus vicarius* 7822.
 phenology Orthoptera, Austria 5519.
Phereoeca allutella 1901.
Philanissus plebeius 2796.
Phlebotomus 9401.
Phylactophaga froggatti 406.
Pineus floccus 5493.
Pissodes notatus 5663.
Plagiognathus albatus 3733.
Poecillocapsus lineatus 9395.
 polymorphism, effects on host selection, *Adelges cooleyi* 7758.
Procecidochares 380, 7698.
Prostephanus truncatus 6945.
Pseudaulacaspis pentagona 325.
Pterostichus, Denmark 2794.
 Pyralidae, Neuchatel L., Switzerland 2922.
Pyrgomorpha bispinosa 2795.
 relationship fertility, *Culicoides* 1848.
 reproductive strategy, *Drosophila pseudoobscura* 7037.
Rhipicephalus glabroscutatum 9404.
Sassafras albidum host plants, *Eugnamptus collaris* 7704.
 seasonal variations, cold hardiness eggs, *Psylla mali* 9241.
 seasonal variations, feeding, *Epilachna chrysomelina* 9385.
 seasonal variations, host plants, weeds 7778.
 seasonal variations, host plants selection, *Battus philenor* 8630.
 seasonal variations, morphology, *Hypogastrura socialis* 7432.
 seasonal variations, swarming, *Apis mellifera* 8786.
Sesamia calamistis 2462.
 sex differences, *Megaselia scalaris* 8587.
 sex ratios, *Bracon brevicornis* 6226.
 sex ratios, environmental factors, *Diplonychus indicus* 8583.
 sex ratios, *Trichoniscus pusillus* 6118.
 sex ratios/adaptations host plants, *Nuculaspis californica* 9399.
 Simuliidae 7687.
 Simuliidae, rivers, Poland 4853.
Simulium tescorum 4641.
Sitona hispidulus 1892.
Sitona humeralis 7700.
Skwala parallela, USA Colorado, streams, montane environments 1899.
Smicronyx commixtus 7699.
Sogatella furcifera 6934.
Solidago host plants, Chrysomelidae 9466.
Sphaeroderus 8669.
Spilochalcis albifrons 2835.
Stenonema modestum 3734.
Streblote panda 407.
 survival, calcium chloride effects on, *Aedes* 9324.
 survival, water balance effects on, *Drosophila mimica* 5343.
Synanthedon 8573.
Synanthedon flaviventris 4613.
Synanthedon tipuliformis 7024.
Synanthedon unocingulata 4647.
Syntomis fortunei 1885.
 temperature effects, *Bucculatrix pyrivorella* 6955.
 temperature effects, *Paulinia acuminata* 4629.
 temperature effects, *Plutella xylostella* 8596.
Tenuipalpus granati 6939.
Tetralopha robustella 8574.
Tetranychus ludeni 3732.
Thyreocephalus orthodoxus 3894.
Tipula sacra 1895.
Tomaspis insignita 2805.
Trepobates subnitidus 7696.
Trichogramma 8668.
 Trichoptera, Savannah R., USA 1897.
 Trichoptera, streams, USA Georgia 3124.
Triozamia lamborni 6205.
 variability/adaptations, *Dysdercus bimaculatus* 2799.
Vespula germanica 8747.
 voltinism, *Lytogaster excavata* 9382.
 voltinism, *Mamestra brassicae* 4656.
 voltinism, Sepsidae 9515.
 voltinism effects on population dynamics, *Fiorinia externa* /
 Tsugaspidiotus tsugae 4732.
Xyleborus affinis 5498.
Xyleborus sayi 5507.
Yanga guttulata 2068.
Zonocerus variegatus 6953.
Light,
 effects on cuticle pigments, *Vespa orientalis* 2503.
 effects on development, *Bombyx mori* 2715.
 effects on glycogen metabolism, eye, *Apis mellifera* 1630.

Light,(continued)

- effects on pupae coloration, *Pieris* 269.
 light intensity effects on jumping, behavioural genetics, *Drosophila melanogaster* 3158.
 polarized, orientation, *Apis mellifera* 3697.
 visual stimuli, electrical properties nerves, *Schistocerca gregaria* eye 3478.
- Ligmargus**,
 new genus, India 5856.
- Lignyodes**,
 revision 5093.
 taxonomy 8135.
- Ligyrocoris**,
 parasitism 7743.
- Liliocercis lillii**,
 chromosomes 5734.
- Limacodidae**,
 parasitism 1123.
 venom 2685.
- Limnelli**,
 new species, Neotropical Region 4236.
 new species, USA 801.
- Limnephilidae**,
 activity patterns 1904.
 behaviour 4651.
 chromosomes 4043.
 ecology 7118.
 feeding 8631.
 larvae, keys, British Isles 1572.
 morphology 4337.
 mutualism 8657.
 new records, British Isles 8016.
 new records, Denmark 3240.
 new species, British Isles/Ireland 3413.
 new species, Sardinia 869.
 taxonomy 3414.
- Limnephilus**,
 new records, Denmark 3240.
 new species, British Isles/Ireland 3413.
- Limnephilus tauricus**,
 first record, British Isles 8016.
- Limnephilus wittmeri**,
 taxonomy 3414.
- Limnesia**,
 new species, Australia 8966.
- Limnia unguicornis**,
 new subspecies, Italy 3356.
- Limnichidae**,
 life cycles 5492.
 new species, Neotropical Region 8149.
 taxonomy 7288.
- Limnichoderus**,
 revision, Neotropical Region 7288.
 taxonomy 8149.
- Limnochara americana**,
 swimming coordination/stability, mathematical models 2512.
- Limnocharidae**,
 locomotion 2512.
- Limnogonus recurvus**,
 biology/morphology 9377.
- Limnophila**,
 new species, fossils, Canada 7324.
- Limnoporos canaliculatus**,
 wings polymorphism 9704.
- Limnoporos**,
 life cycles/habitat preferences, lakes, Canada British Columbia 7115.
- zoogeography 7994.
- Limonia**,
 new species, Ecuador 1488.
 new species, Neotropical Region 1487.
- Limoniidae**,
 emergence, environmental effects, streams, Germany, Fed. Rep. Bonn 1275.
 new species, Germany, Fed. Rep. 7312.
 taxonomy 9046.
- Limontus flavomarginatus**,
 habitats/first record, USA Missouri 9750.
- Limosina**,
 new species, USSR 4240.
- Linacidea**,
 check lists, India 2314.
- Lindane**,
 effects on neurosecretion, brain, *Poecilocerus pictus* 2520.
 pesticide resistance, *Hyalomma* 309.
- Lindenia tetraphylla**,
 migration, Jordan 8645.
 zoogeography/geographical distribution, Italy 708.
- Lindenius subaeneus**,
 first record, Germany, Fed. Rep. Rheinland 4114.
- Lindqvist, E.**,
 bibliography 2.
- Linnavuorista**,
 new genus, Ivory Coast 5138.
- Linognathidae**,
 chemical control 5637.
 chemical control/infestations 2045.
 life cycles 9557.
 parasitism 439, 9555, 9556, 9565.
- Linognathus**,
 infestations/chemical control, sheep 2045.
- Linognathus vituli**,
 biology/ecology 9557.
 chemical control 5637.
 infestations, cattle, New Zealand 9555, 9556.
 parasitism cattle 9565.
- Linyphia tenuipalpis**,
 occurrence/population density, heaths, Denmark 2939.
- Linyphiidae**,
 new records, Belgium 3194.
 new records, Belgium West Flanders 5765.
 new species, Morocco/Spain 5822.
 new species, Nearctic Region 23.
 new species, Nigeria 7257.
 new species, USSR 2291.
 new species/new records, Comoro Is. 5816.
 phenology 2781.
 populations 2939.
 predation 423.
 taxonomy 22, 5817, 5821, 8978.
 taxonomy/new records, British Isles 7996.
 taxonomy/new records, Sweden 5823.
 webs 2790.
- Liodessus affinis**,
 flight diel periodicity, environmental effects 1154.
- Liodontomerus**,
 new species, Hungary 6650.
- Liodontomerus perplexus**,
 natural enemies *Bruchophagus roddei*, Argentina 2253.
 parasitism *Bruchophagus roddei*, USA Kansas 3255.
- Liodoryctes**,
 taxonomy 9078.
- Liogonyleptoides inermis**,
 genitalia 26.

- Lioplacis**,
new species, Brazil 779.
- Lioplacis elliptica**,
morphology/biology 888.
- Liopteridae**,
types 4258.
- Liorhina**,
new species, Solomon Is. 6641.
- Lipaphis erysimi**,
biology/control 3991.
chemical control/cultural control 9629.
chemical control/toxicity fenvalerate 3104.
taxonomy 9068.
- Liparidae**,
taxonomy 856.
- Liparochrus**,
taxonomy 6580.
- Liparthrum**,
taxonomy 7296.
- Lipeurus lawrensis**,
feeding behaviour 5533.
oviduct, glands 322.
- Lipids**,
+ sterols, *Bombyx mori* 8423.
acylglycerols, fatty acids, *Ceratitis capitata* 254.
adhesives secretion, leg, *Pentatomidae* 9255.
biochemistry, metamorphosis, *Phanerotoma flavitestacea* 8420, 8421.
biosynthesis, cuticle, *Paruroctonus mesaensis* 8352.
biosynthesis, endosulfan effects on, *Glossina morsitans* 6857.
body composition, ageing, *Phormia terraenovae* 9294.
Boophilus decoloratus eggs 6041.
carbohydrates effects on lipogenesis, *Exeristes roborator* 1659.
cholesterol, nutrition, *Heliothis zea* 8405.
cuticle, *Acheta domestica* 5254.
cuticle, *Ceutorhynchus assimilis* 3455.
cuticle, *Drosophila melanogaster* 6749.
cuticle, *Eleodes armata* 6004.
cuticle, sex differences, *Acheta domestica* 6003.
cuticle, *Solenopsis* 6005.
Demodex caprae 4421.
development, *Apis mellifera* 6902.
diglycerides, metabolism, flight muscle, *Pantala flavescens* 8354.
diglycerol tetradodecanoate tetradecanoate isolation/
characterization, *Phenacoccus pergandei* 1681.
fat body, ageing, *Antheraea mylitta* 3516.
fat body/haemolymph, *Diatraea saccharalis* 5311.
fucosterol/isofucosterol identification, *Bombyx mori* 7500.
glucose incorporation, fat body, *Periplaneta americana* 9201.
glycerolipids, *Heliothis virescens* 6819.
haemolymph, brain/corpora allata effects on, *Achaea janata* 2600.
haemolymph, hormones effects on, *Danaus plexippus* /
Cynthia cardui 7484.
haemolymph, insecticides effects on, *Blattella germanica* 7486.
levels, diets effects on, *Heteronychus arator* 3634.
membrane turnover, microsomes, *Galleria mellonella* 959.
metabolism, *Callosobruchus maculatus* 2588.
metabolism, *Ceratitis capitata* 5303, 5322.
metabolism, development, *Gilpinia hercyniae* 7508.
metabolism, diets effects on, *Glossina morsitans* 1813.
metabolism, *Heliothis virescens* 8410.
migration, *Danaus plexippus* 6810.
phosphatidylcholine, development, *Ceratitis capitata* 7632.
phospholipids, artificial diets, *Pieris brassicae* 1557.
phospholipids fatty acids, *Acheta domestica* 253.
phytosterols metabolism, *Trogoderma granarium* 2586.
plants sterols, metabolism, *Apis mellifera* 8411.
role water conservation, eggs, *Bombyx mori* 2613.
sex pheromone glands, *Argyrotaenia velutinana* 7536.
steroids, isolation methodology, *Insecta* 5240.
sterols/esters concentration, embryogenesis, *Dysdercus similis* 1853.
sterols metabolism, *Apis mellifera* 4429.
sterols nutrition, *Apis mellifera* 4430.
storage, fat body/ovary, *Macrotermes subhyalinus* /
Nauphoeta cinerea 2593.
wax characterization, *Ceroplastes ceriferus* 9256.
- Lipochaeta slossonae**,
first record, USA Georgia 715.
- Lipoptena cervi**,
taxonomy 9044.
- Liposcelidae**,
new species/new records 6699.
- Liposcelis**,
new species/new records 6699.
- Liriomyza huidobrensis**,
parasitism, *Agrostocynips clavatus*, new records hosts,
Argentina 3765.
- Liriomyza sativae**,
chemical control 3973.
natural enemies, USA California 7894.
- Lissocephala**,
new species, Senegal/Ivory Coast 800.
- Lissonota**,
taxonomy 4268.
- Listrocarpus**,
phylogeny 756.
- Listronotus**,
taxonomy/check lists, Neotropical Region 2317.
- Listrophoridae**,
new species, Colombia 5053.
new species, France/Spain 2279.
new species, USA 7250.
parasitism 3769.
- Listrothorus**,
new records/parasitism-*Ondatra zibethicus*, USA Indiana 7219.
new species, France/Spain 2279.
- Listropsylla**,
larvae 2487.
- Lithax obscurus**,
new records, Denmark 3240.
- Lithobiidae**,
morphology 2473.
taxonomy 9111.
- Lithobius**,
pathology 1737.
- Lithobius melanops**,
development/morphology 2473.
- Lithocolletis joviella**,
immature stages/life cycles 7707.
- Lithophane leautieri**,
geographical distribution, British Isles 8011.
- Lithophanini**,
life cycles 5500.
- Litocerus**,
taxonomy 2301.
- Litochrus**,
taxonomy 4206.

- Litophasia**,
new species, South Africa 7322.
- Litopyllus**,
revision, Nearctic Region 3280.
- Lixophaga diatraeae**,
development, parasitism *Galleria mellonella* 7736.
parasitism *Galleria mellonella*, superparasitism 7735.
- Lixus**,
taxonomy 5851.
- Lobella**,
new species, Korea, Rep. 5877.
- Lobesia botrana**,
chemical control 553.
control, pheromone traps 5676.
rearing, artificial diets 1554.
- Lobidipteryx**,
new species, Cameroon (United Rep.)/Rwanda 851.
- Lobobunaea rosea**,
larvae 5248.
- Lobocraspeda**,
new species, Papua New Guinea 4281.
- Lobometopon ovale**,
geographical distribution, USA Texas 4140.
- Lochmaea capreae**,
biotypes, association *Betula* / *Salix*, USSR Moscow 1091.
morphology variation, ecology 8692.
reproductive isolation/gene flow, population genetics 4958.
- Locomotion**,
see also **Behaviour**
balance/orientation, light polarization, *Drosophila melanogaster* 6018.
biomechanics, *Blattella germanica* 8358.
book 2258.
burrowing behaviour, relationship respiration, *Geolycosa domifex* 1647.
cocoons loading effects on, *Pardosa tristis* 4349.
coordination, invertebrates, review 1616.
diel activity, *Cupiennius salei* 228.
equipment, *Musca domestica* 7458.
flight, aerodynamic properties, measuring techniques, *Sarcophaga bullata* 9162.
flight, aerodynamic properties wings, *Locusta migratoria* 9158, 9159.
flight, *Danaus plexippus* 8644.
flight, development, *Phormia terraenovae* 8356.
flight, Insecta, review 1608.
flight, *Locusta migratoria* 6755.
flight, models, review 1618.
flight, oxygen consumption, environmental factors, *Apis mellifera* 8404.
flight, oxygen consumption, Spingidae/Saturniidae 8417.
flight, temperature effects, *Glossina morsitans* 6752.
flight duration, Insecta 8360.
flight equilibrium, role ocelli, *Hemicordulia tau* 6770.
flight orientation, *Drosophila melanogaster* 4350.
flight regulation, environmental factors, *Manduca sexta* 4154.
flight velocity, Culicidae 6943.
umping, initiation, nerves, *Locusta migratoria* 2515.
umping, review, Insecta 1607.
umping, visual perception, *Phaulacridium vittatum* 1638.
eg coordination, Gryllidae 2508.
ocomotor activity, behavioural genetics, *Drosophila melanogaster* 2171, 2172, 2173.
ocomotor activity, Carabidae, Canada Quebec 1907.
mathematical models, *Chresmoda* / *Gerris* 8949.
motor activity, heart physiology, *Calliphora vomitoria* 3491.
nerves, *Carausius morosus* 9186.
optomotor response-visual stimuli, wing beat/posture, *Drosophila melanogaster* 2555.
orientation, mathematical models, Arthropoda 365.
running, energy requirements, *Camponotus herculeanus* / *Formica* 1613.
swimming, *Hydrophilus piceus* / *Limnochares americana* 2512.
swimming behaviour, Coleoptera 1614.
swimming behaviour, Odonata, review 1617.
walking, biomechanics, *Carausius morosus* 8359.
walking, control, physiology nervous system, Insecta 3467.
walking, control, physiology nervous system, mathematical models, Insecta 3468.
walking, leg movements/oscillation coordination, *Carausius morosus* 1610.
walking, leg oscillation, rhythms, *Carausius morosus* 1615.
walking, nerves activity, *Periplaneta americana* 2531.
walking, nerves coordination, *Romalea microptera* / *Schistocerca gregaria* 1609.
walking coordination, *Periplaneta americana* 2570.
walking mechanisms, *Geotrupes* 215.
walking orientation, *Cicindela* 367.
- Locusta**,
trachea, central nervous system 230.
- Locusta migratoria**,
adenosinetriphosphatase activity 4409.
age determination, methodology 2468.
antennae sensilla 9183.
ATPase (Mg dependent) activity, Malpighian tubules 5302.
auditory perception, ultrasound 5271.
behaviour/development, precocene effects on 5423.
brain, cholinergic transmission 6757.
chemoreception/food selection, plant chemicals role 9438.
chloride transport stimulating hormone, characterization 4435.
development, fasting 4522.
development/flight muscle, corpora allata effects on 3643.
DNA, spermatozoa 4030.
ecdysone, biosynthesis/role embryogenesis 1787.
ecdysone regulation, neurosecretion 3669.
ecdysteroids/prothoracic gland, development 3674.
embryos, cuticle, ecdysones 4528.
emergence, wings 3460.
enzymes, flight muscle 6042.
feeding/osmoregulation, role brain 217.
flight 6755.
flight, adipokinetic hormone effects on 2513.
flight behaviour, development 3461, 3462.
flight metabolism 6815.
flight muscle, denervation effects on enzymes 3463.
flight muscle, electrical properties 5255.
flight muscle metabolism, cyclic nucleotides 4416.
flight muscle metabolism, flight 965.
follicles proteins, vitellogenesis 7639.
food consumption, crowding effects on 5530.
food preferences, taste discrimination 6765.
glycogen phosphorylase activation, fat body, hormones 8397.
haemolymph antibacterial activity 5284.
haemolymph hormones/proteins, development 3671.
haemolymph lipoproteins, flight 8402.
hormones, osmoregulation 9224.
hypersensitivity, man 3924.
jumping, initiation, nerves 2515.
juvenile hormones 6046.
lindane effects on corpora allata 3599.
locomotor activity, feeding effects on 4378.

***Locusta migratoria*, (continued)**

Malpighian tubules, glucose transport 3508.
 Malpighian tubules, ions transport 3509.
 Malpighian tubules secretion 8396.
 metabolism, adipokinetic hormone response 5298.
 metabolism, flight 6039.
 metabolism/excretion juvenile hormones 335.
 nerves activity, metathoracic ganglion, ventilation 1620.
 nerves/polymorphism, carbon dioxide effects on 8517.
 neural control hyperlipaemic hormone secretion 6821.
 neurosecretion 6835.
 neurosecretion, corpora cardiaca 8443.
 neurosecretion, feeding effects on 4361.
 neurosecretion, octopamine 7464.
 neurosecretion, proteins 3473.
 phagocytosis, haemocytes 5286.
 photoperiod/temperature effects on development/
 reproduction 2719.
 photoreceptors, ions channels 6773.
 ploidy, juvenile hormones effects on 9352.
 precocene effects on development 3654.
 proteins, cuticle 9156.
 rearing 1544.
 relationship octopamine content/pigmentation, head 1680.
 song analysis/mathematical models 5353.
 synaptosomes isolation 5983.
 taxonomy/speciation 4298.
 tegula, ultrastructure 2548, 3481.
 vitellin/vitellogenin 6814.
 vitellogenesis, juvenile hormones role 3673.
 vitellogenesis, precocene effects on 7623.
 vitellogenesis, role corpora allata 1828.
 wings, aerodynamic properties 9158, 9159.

***Loderus*,**
 new species, USA 8255.

***Loensia fasciata*,**
 sulphur dioxide air pollution, pollution indicators 2954.

***Loepa katinka*,**
 chromosomes 8825.

***Lohmannia*,**
 new species, Tunisia 2282.

***Lohmannia reticulata*,**
 taxonomy 2281.

***Lonchaea*,**
 taxonomy 9047.

***Lonchaea corticis*,**
 predation *Pissodes strobi* 7727.

***Lonchacidae*,**
 new species/host plants, Colombia/USA 8192.
 new species/new records, Ethiopian Region 9048.
 predation 7727.
 taxonomy 9047.

***Lonchodes pterodactylus*,**
 eggs, amino acids/ultrastructure 6119.

***Lonchoptera dubia*,**
 population genetics, enzyme polymorphism 3173.

***Lonchopteridae*,**
 population genetics 3173.

***Longevity*,**
 alcohol effects on, *Drosophila* 8527.
 calcium phosphate effects on, *Tyrophagus putrescentiae*
 1802.
 chemosterilants effects on, *Lucilia cuprina* 1797.
Chrysolina 2315.
Delphacodes campestris 3714.
 diets/photoperiod effects on, *Vespa orientalis* 1018.
Drosophila 2940.

ethanol effects on, *Drosophila* 332.
 hosts immune status effects on, *Glossina morsitans* 440.
 humidity/temperature effects, *Pectinophora gossypiella* 1820.
 methanol effects on, *Drosophila pachea* 1044.
 nutrition effects on, *Paracentrobia andoi* 2735.
 radiation (γ) effects on, *Anthonomus grandis* 3635.
 relationship reproduction, *Melanoplus sanguinipes* 8592.
 Rhinotermitidae, environmental effects 2725.
 salts effects on, *Sitophilus granarius* 1800.
 seasonal variations, *Apis mellifera*, French Guiana 1106.
Sextius virescens 1094.
 sugars effects on, *Chironomus thummi* 2688.
Syntomis fortunei 1885.
 temperature/humidity effects on, *Dermestes lardarius* 2732.

***Longirostrum*,**
 taxonomy 5128.

***Longitarsus*,**
Gregarina infection 6084.
 new records/morphology, Italy 667.
 new species, Spain/Jordan/Israel 47.
 wings polymorphism 3180.

***Longitarsus albineus*,**
 rearing 7422.

***Lophodispus*,**
 new records, Nearctic Region 5057.

***Lopholeucaspis*,**
 new species, China, People's Rep. 92.

***Lophopidae*,**
 gut 948.

***Lophopteryx camelina*,**
 parasitism 1172.
 population dynamics/natural enemies, USSR Transural 3887.

***Lophotyna*,**
 new species, Nepal 8269.

***Lophyra sarallensis*,**
 new subspecies, Ethiopia 5091.

***Lophyroleptes luteator*,**
 introduced species, population establishment, Canada
 Ontario 1238.

***Lophyrotoma*,**
 new species, Papua New Guinea 6665.

***Lord Howe Is.*,**
 new species Lycosidae 3281.

***Lordithon*,**
 taxonomy 5870.

***Loricera pilicornis*,**
 first record, USA Ohio 6523.

***Loricula bipunctata*,**
 first record, Denmark 6509.

***Loricula pselaphiformis*,**
 first record, Nearctic Region 6524.

***Lower Cretaceous*,**
 new species Micropterigidae, fossils, USSR 3390.

***Loxosceles*,**
 new species, Namibia 4171.

***Loxosceles laeta*,**
 longevity, environmental factors 5389.

***Loxoscelidae*,**
 foraging behaviour 4626.

***Loxostege sticticalis*,**
 temperature/photoperiod effects on development/diapause
 1824.

***Loxotropa*,**
 new records/new species, Mongolia, People's Rep. 4265.

***Loyalty Is.*,**
 new species Lygaeidae 8218.

- Lozotaenia coniferana*,
spatial distribution, mathematical models 8659.
- Lucanidae**,
new records, New Zealand 6473.
new species, Malaysia/Sumatra 6585.
new species, Oriental Region/Australasian Region 787.
new taxa 2325.
taxonomy 3319, 5101.
- Lucanus*,
taxonomy 3319.
- Lucanus cervus*,
new subspecies, USSR 2325.
- Lucilia*,
bioaccumulation mercury, Yugoslavia Idrija 1160.
larvae, octopamine/proctolin effects on membrane potential 923.
taxonomy 1468.
- Lucilia caesar*,
plasmatocytes, phagocytosis activity 7452.
- Lucilia cuprina*,
chemical control, insecticides, review 532.
chemosterilants effects on longevity/mating 1797.
chromosomes, mapping 4040.
chromosomes loss, radiation induction 8851.
cuticle, aromatic-L-amino-acid decarboxylase inhibitors effects on 5253.
development, respiration/water balance 4582.
dieldrin resistance 8473.
dieldrin resistance/survival, sex linkage 7051.
eggs, development, environmental factors 5421.
eggs/larvae 191.
eye colour mutants 4919.
eye colour mutants, pteridines 961.
gene mapping 4867.
infection sheep, antibody response 2996.
oogenesis, diets effects on 1844.
ovary development/oogenesis, autogeny 7634.
pesticide resistance, Australia Queensland 1009.
pesticide resistance diazinon, genes 1007.
population dynamics, mathematical models 2944, 3865.
populations cycles, models 3866.
susceptibility vetrazin, pesticide resistance pesticides (organophosphorus) 1016.
toxicity aromatic-L-amino-acid decarboxylase inhibitors 1599, 1766.
- Lucilia illustris*,
fat body, ultrastructure/biochemistry 5309.
- Lucilia sericata*,
geographical distribution/phenology, New Zealand 8901.
head, compensation movements, orienting response 2552.
neurosecretion, nutrition effects on 9354.
photosensitivity, lobula plate neurones 6774.
- Luciola mingrelica*,
bioluminescence, luciferase 3571.
luciferase inactivation 277.
luciferase inhibition 7541.
- Luehdorfia*,
interspecific hybridization 637.
osmeterium secretion 5351.
- Luisiadia*,
new genus, Bagaman Is. 45.
- Luperina zollikoferti*,
new records, Czechoslovakia Bohemia 3219.
- Luperus*,
taxonomy/new species, Italy 1444.
- Lutrochus laticeps*,
emergence/flight, environmental factors 5492.
- Lutzomyia*,
infection *Leishmania mexicana* 526.
new species, French Guiana 1484.
- Lutzomyia clautrei*,
taxonomy 1483.
- Lutzomyia longipalpis*,
Phlebotomus fever virus susceptibility 3929.
- Lutzomyia umbratilis*,
biology/ecology 6288.
enzyme polymorphism 3125.
- Luxemburg**,
check lists/new records Psocoptera 5778.
- Lycæides idas*,
first record, Italy Calabria 696.
- Lycæna dispar*,
new records, France Cher 2229.
- Lycæna rauparaha*,
taxonomy/immature stages 121.
- Lycæniidae**,
anatomy 2506.
behaviour 5501.
biology/new subspecies, USA New Mexico 5193.
check lists Taiwan 6519.
chromosomes 6414.
ecology 3878.
eggs 5243.
host plants 4703, 6265.
hybrids 7160.
immature stages 6729.
morphology 198, 200.
mutualism 7730.
new records, Australia Queensland 7233.
new records, France Cher 2229.
new records, Italy 696.
new records, Italy Alps West 694.
new records, Jamaica 723.
new records, Spain Navarra 3233.
new records, USA Georgia 5784.
new records, USA Kentucky 2252.
new records, West Irian 1416.
new species, Malawi 124, 855.
new species, Mexico 5192.
new species, Nepal 6672.
new species, Papua New Guinea/West Irian 7379.
new species, South Africa 122, 7378.
new species, Zimbabwe/Mozambique 7377.
new subspecies, Sipora I. 113.
new subspecies, South Africa 7376.
new subspecies, Spain 2420.
new subspecies, Turkey/Iran 8267.
new subspecies, USA 123.
parasitism 6964.
pests 3096, 6354.
populations, Canada Quebec 2251.
rearing 3423.
taxonomy 121, 854, 5194, 5195, 5949, 8266.
zoogeography 2233, 7228.
- Lycoria*,
taxonomy 805.
- Lycoriella auripila*,
toxicity insecticides 305.
- Lycoriella mali*,
bioassays, persistence growth regulators/insecticides 8482.

***Lycoriella pimpliformis*,**

salivary gland, ultrastructure 1731.
taxonomy 805.

***Lycosa*,**

chromosomes 5736.
dispersion/spatial distribution, *Gossypium hirsutum* crop fields 8689.

new species, Chile 8980.

new species, Lord Howe Is. 3281.

new species/revision, Australia 3284.

trail following behaviour 1873.

Lycosidae,

behaviour 1873.

check lists, USA Michigan 8930.

chromosomes 5736.

communities 6270.

locomotion 4349.

new species, Australia 3283, 3284, 3285.

new species, Chile 8980.

new species, Lord Howe Is. 3281.

predation 3853, 5613, 9116.

rhythms 228.

sense organs 1641.

taxonomy 24, 1435, 3282, 5824, 6559, 8979.

Lytidae,

pests 459.

rearing 6719.

toxicity insecticides 4511, 5375.

***Lytocoris campestris*,**

first record, man, Switzerland 7052.

***Lycus brunneus*,**

pests, *Erica arborea* 459.

rearing 6719.

toxicity insecticides 5375.

toxicity insecticides, residual effects 4511.

Lygaeidae,

behaviour 4543.

behaviour/pest resistance 9476.

biology/ecology/immature stages 7821.

chemical control 6337.

communities 9545.

development 2887.

development/development, juvenile hormones analogues.

Oncopeltus fasciatus 8520.

diapause 1028, 6126.

dispersal 1167.

ecology 1132, 2924.

feeding 422.

geographical distribution/keys, Italy 676.

glands/nucleic acids 3561.

growth regulators 8525.

hormones 2729.

host plants 1982.

life cycles 1144.

moulting 3679.

neurosecretion 2629.

new records, India 8928.

new species, Australian Region 8218.

new species, Cocos (Keeling) Is. 8215.

new species, Malaysia 8217.

new species, Neotropical Region 7331.

new species/new records, Australia 1493.

nutrition 4389.

overwintering 486.

parasitism 6731, 7743.

pest resistance *Stenotaphrum secundatum* 7103.

pests 1956, 9496.

populations 2948, 2971, 7018.

predation 2930.

reproduction 5434.

secretions 2620.

taxonomy 810, 5910, 7330, 8216.

vectors 1234.

Lygaeus,

salivary gland, RNA biosynthesis 3561.

***Lygaeus equestris*,**

diapause, environmental factors 6126.

***Lygaeus pandurus*,**

neurosecretion 2629.

Lygelater,

new species, Panama/Brazil 5857.

Lygocerus,

taxonomy 5176.

Lygus,

host plants weeds, seasonal variations 7778.

traps, colour preferences 2970.

***Lygus dtisponsi*,**

auxins metabolism 3531.

***Lygus hesperus*,**

pest resistance *Gossypium hirsutum* 9485.

***Lygus lineolaris*,**

amino acids, host plants 6790.

chemical control, effects on population dynamics *Heliothis*

Gossypium crop fields 1164.

dispersal/host plants/population dynamics 2948.

pest status, *Fragaria vesca* 9496.

toxicity methyl parathion 3611.

transmission potato spindle tuber viroid 1234.

***Lygus pratensis*,**

resource partitioning, *Senecio smallii* 9545.

***Lygus rugulipennis*,**

abundance, *Fragaria* crop fields, Sweden 1956.

***Lygus vosseleri*,**

chemical control, *Gossypium hirsutum*, Burundi 3044.

***Lymantria*,**

taxonomy 856.

***Lymantria dispar*,**

antifeedants, *Melaleuca leucadendron* plant chemicals 6057.

biological control 5222.

biological control, Italy 3083.

biometrics 907.

cell lines, infection, *Euxoa scandens* cytoplasmic

polyhedrosis virus 5356.

cell lines, replication *Barathra brassicae* nuclear

polyhedrosis virus 3590.

embryogenesis, brain, neurosecretion 4529.

flight metabolism 6801.

food plants effects on egg masses/larvae dispersal 7814.

larvae, food consumption 6961.

larvae, toxicity *Bacillus thuringiensis* toxins 7569.

Metarrhizium anisopliae / *Paecilomyces fumoso-roseus*

infection 6082.

morphometry/taxonomy 2489.

natural enemies, Iran 433.

natural enemies/geographical distribution, Morocco 5591.

nuclear polyhedrosis virus, pathology 8450.

nuclear polyhedrosis virus infection/*Apanteles melanoscelus*

parasitism 1743.

overwintering, genes/environmental factors 9712.

oviposition site selection 5445.

parasitism 806, 7353, 7421.

parasitism, Romania 6978.

penetration/metabolism carbaryl 8478.

pest status, remote sensing 5657.

***Lymantria dispar*, (continued)**

pest status/control, book 5045.
 population dynamics, mathematical models 7015.
 predation, eggs 7000.
 predation effects on populations 2912.
 pupae, population density, *Procyon lotor* predation effects on 500.
 rearing, effects on performance 5406.
 toxicity etrimfos 5374.
 toxicity insecticides/effects on chitin biosynthesis 314.
***Lymantria monacha*,**
 population studies, Czechoslovakia 5612.
***Lymantria obfuscata*,**
 larvae, head, morphology 3441.
Lymantriidae,
 behaviour 5445, 9364.
 biological control 3083, 5222.
 biology/control 7832.
 biometrics 907.
 carbaryl metabolism 8478.
 cell culture 4338.
 ecological genetics 9712.
 ecology 1190.
 feeding 6961.
 food plants 7814.
 hatching 3722.
 interspecific hybridization/alary dimorphism 3164.
 larvae 3441.
 life cycles 1900.
 metabolism 6801.
 morphometry 2489.
 natural enemies 433, 5591, 7818.
 neurosecretion 4529.
 parasitism 806, 6978, 7353, 7421.
 pathology 1743, 3590, 5356, 6082.
 pest resistance *Pseudotsuga menziesii* 9478.
 pests 3080, 5616, 5657, 6367.
 pests, book 5045.
 pheromone traps 5612.
 pheromones 2768.
 phototaxis 6019.
 population dynamics 1169.
 populations 7015, 9534.
 predation 500, 2912, 7000.
 rearing 5406.
 repellents 6057.
 taxonomy 856, 5950, 9093.
 toxicity *Bacillus thuringiensis* 7569.
 toxicity diflubenzuron 5380.
 toxicity etrimfos 5374.
 toxicity insecticides 314.
 viruses 1001, 8450.
 zoogeography 2233.
Lyonetiidae,
 pest resistance *Coffea* 1962.
 pests 7038.
 plant mines 3834.
***Lyperosia exigua*,**
 ovary, cytology/histochemistry 1784.
***Lypsimena*,**
 taxonomy 771.
***Lyriomyza sativae*,**
 sampling 6370.
***Lysandra coridon*,**
 new subspecies, Spain 2420.
***Lysandra hispana*,**
 rearing 3423.

***Lysathia ludoviciana*,**

first record/life cycles, *Myriophyllum aquaticum* host plants 7769.
Lysiphlebus,
 parasitism Aphididae, *Citrus*, Italy 9449.
***Lysiteles*,**
 new species, Japan 4173.
***Lytogaster excavata*,**
 feeding/immature stages/life cycles 9382.
***Lytoxysta*,**
 taxonomy 2402.

Macaronesia,
 new genus 9093.
***Maccosteles fascifrons*,**
 transmission maize rayado fine virus 1951.
Machilidae,
 geographical distribution/keys, Germany, Fed. Rep. 5024.
 new species, Japan 6701.
 oogenesis 348.
 pathology 994.
 reproduction 5444.
 taxonomy 5968.
***Machiloidea*,**
 new species, Nearctic Region 5968.
***Machimus arthriticus*,**
 first record, Czechoslovakia Slovakia 4110.
Macrochelidae,
 predation 1179.
***Mackerrasomyia*,**
 taxonomy 8181.
***Macraspis*,**
 taxonomy 3328.
***Macrocentrus grandii*,**
 pathology, *Nosema pyrausta* infection 280.
***Macrocheles*,**
 predation effects on *Musca domestica* population growth 1179.
 records, Kermadec Is./New Zealand 6462.
Macrochelidae,
 new records, Poland 2212.
 records, Kermadec Is./New Zealand 6462.
***Macrocoma rubripes*,**
 first record Turkey 9004.
***Macrocorynus griseoides*,**
 chromosomes 9677.

***Macrolabis*,**
 pest status/biology/natural enemies, *Malus* 2804.

Macronychia,
 biological control *Hybomitra lasiophthalma* 569.
 taxonomy 6619.
Macronyssidae,
 control 9561.
 parasites mammals, population levels. Egypt, Arab Rep. Assiut 3771.
***Macropeza*,**
 new species/biology, USA 1473.
Macrophya,
 revision, Nearctic Region 6670.
***Macrophya annulipes*,**
 taxonomy 108.
***Macropis nuda*,**
 biology/immature stages 6188.

- Macropsis**,
taxonomy 4255.
Macropsis fumipennis,
life cycles 5627.
Macrosiagon,
parasitism Eumenidae/Sphecidae 6973.
Macrosiphoniella oblonga,
pathology, *Conidiobolus osmodes* 3591.
Macrosiphoniella sanborni,
biological control/pathogenicity *Metarrhizium anisopliae* 2642.
pathology, *Verticillium lecanii* 3578.
Macrosiphum,
chromosomes 8820.
control/vectors maize dwarf mosaic virus 9473.
new species, Nearctic Region 5916.
Macrosiphum avenae,
abundance/distribution, seasonal variations 8676.
pest status, Canada Ontario 5682.
pest status, *Triticum aestivum* 6353.
population dynamics/pest status, German Dem. Rep. 7078.
reproduction/survival, host plants effects on 1150.
sampling 8769.
transmission barley yellow dwarf virus 3790.
Macrosiphum euphorbiae,
dispersal, flight activity, seasonal variations 6263.
host plants, *Eruca vesicaria* 473.
parasitism 9452.
vectors, soybean mosaic virus 6986.
Macrosiphum liriodendri,
nitrogen/energy budget, *Liriodendron tulipifera* stands 4734.
Macrosiphum miscanthi,
pest resistance *Triticum aestivum* 6258.
Macrosiphum rosae,
population dynamics 6297.
Macrosteles sexnotatus,
transmission barley yellow striate mosaic virus 1970.
Macroteleia,
new species, India 7364.
Macrotermes bellicosus,
ecology 6298.
Macrotermes michaelsoni,
caste determination, juvenile hormones analogues 5420.
caste differentiation, methoprene effects on 5407.
corpora allata/prothoracic gland, development 9350.
trail following behaviour 8601.
Macrotermes subhyalinus,
haemolymph proteins, castes differences 8387.
metabolism, fat body/ovary 2593.
Macrotrypeta ortalidina,
parasitism 6659.
Macurohelea,
new species, Chile 4224.
Maculinea alcon,
new records, Spain Navarra 3233.
Madagascarus,
new species, Malagasy Rep. 5055.
Madeira,
check lists Isoptera 9721.
new species Ichneumonidae 5171.
new species Staphylinidae 5114, 8163.
Madotrogus,
new records, Afghanistan 4209.
Madrasostes franzi,
new records, India 776.
Magallanella,
new genus, Chile 2380.
Magarodes capensis,
life cycles 9383.
Magdalis,
taxonomy 1448.
Magdicada,
oviposition, resource utilization, host plants 2762.
Magdicada septendecim,
chemical control 6339.
sexual dimorphism, innervation tympanum muscles 3476.
Magistretti, M.,
bibliography 1418.
Mahanarva posticata,
population dynamics/natural enemies, Brazil 3871.
Mahunkania hallensis,
first record, Oriental Region 6551.
Makakix,
taxonomy 83.
Malachius,
biology 6941.
Malacosoma,
biological control 7085.
new species/new records, China, People's Rep. 5191.
Malacosoma americanum,
foraging, diel variations 4609.
larvae/phenology, sex differences 9387.
predation 5615.
Malacosoma californicum,
sex pheromone 8431.
survival, environmental factors/host plants effects on 5497.
Malacosoma distria,
development, density effects on 5990.
natural enemies 1928.
pathology *Nosema distriae* 5360.
pesticide resistance diflubenzuron, mechanisms 3605.
viruses/bacteria infection effects on calcium/potassium levels 2648.
Malacosoma neustria,
abundance/pest status, orchards 7095.
predation effects on populations 2912.
Malagasy Rep.,
life cycles/pest status *Yanga guttulata* 2068.
new species Anthicidae 5078.
new species Chaetosomatidae 3312.
new species Cicadidae 820.
new species Formicidae 6662.
new species Geometridae 3387, 5188.
new species Libellulidae 7397.
new species Pisauridae 5074.
new species Pterolichidae 5055.
new species Pterostichidae 4207.
new species Staphylinidae 4213.
new species Trichogrammatidae 9086.
new subspecies *Hydrocoptus subvittulus* 1451.
revision/new species Canacidae 3341.
Malathion,
control *Aedes aegypti* 2028.
control *Pediculus capitis* 530.
control *Sitophilus zeamais* 554.
control *Sitophilus zeamais* / *Sitotroga cerealella* 3962.
control stored products pests 3983.
deterrents/toxicity, *Anopheles maculipennis* 1758.
pesticide resistance, *Plutella xylostella* 570.
pesticide resistance, Siphonaptera, Indonesia 4514.
toxicity, environmental effects, *Tribolium confusum* 2680.
toxicity, methodology, *Drosophila melanogaster* 2466.

- Malawi,**
check lists Anthribidae 8927.
new species Lycaenidae 124, 855.
new species Tingidae 4250.
- Malaya,**
new species Myobiidae 758.
new species/new records Scarabaeidae 9017.
new species Pteromalidae 7363.
new species Sphecidae 844.
- Malaysia,**
check lists Odonata 8929.
forests, Psychodidae fauna 3247.
new species Ameroseiidae 8092.
new species Baetidae 5899.
new species Ceratopogonidae 8181.
new species Helodidae 5860.
new species Lucanidae 6585.
new species Lygaeidae 8217.
new species/new records Tarsonemidae 6551.
new species Paramesgistidae 6550.
new species Thripidae 1532.
new species Trombiculidae 2286, 6554.
Sarcophaga krameri myiasis man 2021.
- Maldives Is.,**
new species Ephyridae 6611.
- Malgassochaetus,**
new genus, Malagasy Rep. 3312.
- Mali,**
new species Bombyliidae 8177.
new species Tabanidae 9055.
- Mallophaga,**
check lists, New Zealand 8900.
check lists, Paraguay 2254.
check lists, Spain Zaragoza 7207.
parasites *Turdus philomelos*, Spain 1524.
- Mallophora,**
taxonomy 6602, 9034.
- Mallophora ruficauda,**
sexual behaviour 4594.
- Mallos gregalis,**
predation/webs 4659.
- Mallosoma,**
new species, Brazil 774.
- Mallosoma piptadeniae,**
immature stages/biology 889.
- Mallota posticata,**
mating behaviour 5450.
- Malpighian tubules,**
anatomy, Leptophlebiidae larvae 206.
Bruchidae larvae 1655.
glucose transport, *Locusta migratoria* 3508.
ions transport, *Locusta migratoria* 1667.
osmotic pressure, *Dermestes* /*Galleria* /*Pieris* /*Tenebrio* 1711.
phosphates accumulation, sex differences, *Cochliomyia macellaria* /*Haematobia irritans* /*Stomoxys calcitrans* 4324.
structure/function, *Arachnocampa luminosa* 1667.
ultrastructure, *Triatoma infestans* larvae 2576.
- Malta,**
first record *Ectobius kraussianus* 8019.
first record *Medetera roghii* 7195.
first record *Tinodes macclachlani* 8058.
new records *Polygonia egea* 3229.
new species Noctuidae 2434.
- Malthinus,**
new species, Palaearctic Region 1441.
new species, USA 8117.
Malthinus occidentalis,
new subspecies, USA 8117.
Malthodes,
new species, Palaearctic Region 1441.
taxonomy 5839.
Malthodes fuscus,
Pleistophora malthodes infection 1749.
Malthodes serbotae,
new subspecies, Yugoslavia/Bulgaria (People's Rep.) 1441.
Malvina,
new species, New Zealand 1508.
Mamersa,
taxonomy 8100.
Mamersidae,
taxonomy 8100.
Mamestra brassicae,
cultural control 2074.
development, juvenile hormones role 1845.
mandibles movements 4327.
pupae, weight, humidity effects on 333.
voltinism 4656.
Mamestra configurata,
metamorphosis, brain taurine 8538.
octopamine, brain, metamorphosis 2517.
Mamestra oleracea,
sex pheromone 1700.
Mamestra suasa,
calling behaviour/mating 1064.
Mandera,
phylogeny 3184.
Manduca sexta,
abundance, host plants nutrition effects on 1133.
behaviour, plant chemicals *Lycopersicon esculentum* /*Nicotiana tabacum* 4682.
behaviour/pupation, cholinergic nerves 6164.
cell culture, cycloheximide/ecdysones effects on 8350.
central nervous system, tyramine metabolism 6760.
chitin biosynthesis inhibition, insecticides 922.
corpora allata, neurohaemal organs, prothoracicotropic hormone 2598.
cultural control 5672.
cuticle tanning 210.
development, γ -aminobutyric acid/glutamic acid 4556.
development, role prothoracicotropic hormone 1850.
development, weight changes 7578.
diapause, hormones role 1793.
diapause termination, solvents effects on 345.
epidermis, mRNA biosynthesis 7939.
epidermis, RNA biosynthesis/protein biosynthesis, development 6168.
epidermis development/haemolymph ecdysteroids 1600.
excretion uric acid 4399,4400.
flight regulation, environmental factors 4154.
growth, L-canavanine effects on 1811.
gut potassium transport, *Bacillus thuringiensis* effects on 3557.
haemolymph, L-canavanine effects on 4386.
haemolymph, manducin 3497.
hormones, haemolymph, regulation sugars 2561.
hydrocortisone effects on development 5441.
innervation corpora cardiaca 8361.
juvenile hormones biosynthesis 6159.
juvenile hormones regulation metamorphosis 1051.
lactate dehydrogenase, anoxia effects on 5256.
larvae, development/behaviour 1020.
larvae, sequestering ascorbic acid 7507.

***Manduca sexta*, (continued)**

metabolism, cuticle tanning 4432.
 midgut, *Bacillus thuringiensis* endotoxins effects on 1000.
 midgut, potassium transport 9242.
 moulting, pupae, physiology 7636, 7637.
 nerves, ATPase (Na + K activated) activity 3477.
 nerves development, vision 8370.
 parasitism, haemolymph proteins 9454.
 peptides characterization, midgut 6029.
 permeability, gut 2571.
 pupae, hydrocarbons 6795.
 pyruvate dehydrogenase, fat body 5316.
 storage excretion, uric acid 6787.
 supernumerary moulting, starvation effects on 5435.
 supernumerary moulting, starvation induced, neuroendocrine system 6166.

***Maniola jurtina*,**

ecology 7784.
 predation, effects on coloration 7801.

***Mansonia*,**

antennae/palps, sensilla 935.
 chemical control 3930, 9560.
 flight velocity 6943.

***Mansonia annulifera*,**

chromosomes 4048.

***Mansonia perturbans*,**

biology, pest status, Canada 6199.
 life cycles 8593.

***Mansonia richiardii*,**

oogenesis 3670.

***Mantibaria*,**

taxonomy 2411.

***Mantichora*,**

larvae 6734.

Mantidae,

behaviour 3485.
 biology 373.
 learning 3471, 3483, 3484, 3706.
 nutrition 6028.
 sense organs 8378.
 senses 5268.

Mantispidae,

new records, France 4131.

Mantodea,

digestive systems 5287.

***Marasmarcha lunaedactyla*,**

viviparity 1050.

***Marcipa curvilinea*,**

taxonomy 3391.

***Marcipalina*,**

taxonomy/new species, Cameroon (United Rep.) 3391.

Margarodidae,

chemical control 2069.
 cultural control 4828.
 dispersal 3820.
 host plants 1949.
 life cycles 9383.
 new species, Brazil 3369.
 pests 2886.
 populations 485.

***Marginitermes hubbardi*,**

abdomen morphology, sex differentiation 2474.

***Mariana legrandi*,**

first record, Iberian Peninsula 3227.

***Marietta graminicola*,**

morphology/parasitism 8325.

***Maro*,**

new records, Belgium 3194.

new species, USSR 2291.

***Marshallia*,**

new genus 1422.

***Maruca testulalis*,**

pest status, *Cajanus cajan*, India Uttar Pradesh 3096.

***Marumba quercus*,**

geographical distribution, Spain 699.

Masaridae,

new species, Bolivia/Argentina 5174.

***Masonaphis masoni*,**

pest resistance *Helianthus/Viguiera porteri* 456.

***Mastotermes darwiniensis*,**

chemical control 9279.

colonies, social organization 9654.

Mastotermitidae,

chemical control 9279.

colonies 9654.

Mathematical models,

activity patterns *Scatophaga stercoraria* /Coleoptera, dung 2798.

aquatic pollution removal, Insecta 6388.

chemical control Orthoptera 9621.

circadian rhythms, emergence, *Sarcophaga argyrostoma* 4381.

circadian rhythms flight activity, *Culex quinquefasciatus* 1646.

community structure, grasslands Insecta 5633.

community structure/niche overlap, grasslands, Orthoptera 3851.

compound eyes, physiology, *Cataglyphis bicolor* 5266.

damage *Dendroctonus frontalis* 4815.

damage *Pinus murrayana*, *Dendroctonus ponderosae* 465.

Dendroctonus ponderosae aggregation, *Pinus contorta* stands 1903.

development, *Heliothis armigera* 1551.

development, Pterygota 2693.

dispersal, Insecta 2909.

dispersal *Graphognathus leucoloma* 3815.

distribution *Costelytra zealandica* populations, soil 3895.

distribution/survival, plants/environmental effects,

Choristoneura fumiferana 2961.

ecology *Costelytra zealandica* 3864.

ecosystem management, *Anthonomus grandis* -*Gossypium hirsutum* 6373.

embryology/regeneration *Drosophila* 1788.

energetics, *Hippodamia convergens* 7795.

energy flow, *Rhizoglyphus echinopus* 4759, 4760.

environmental requirements Carabidae 1183.

evolution social bonds, Hymenoptera 6456.

evolution social organization, Hymenoptera 7985.

flight phenology, *Spodoptera exigua* 9409.

foraging behaviour, *Chrysopa carnea* 9396.

Formicidae mutualism herbaceous plants 2889.

grasslands Insecta populations 3863.

hatching, temperature effects, *Panonychus ulmi* 5526.

Heliothis zea damage *Gossypium* 3963.

host-parasite interactions, parasites eggs distribution 1115.

host-parasite interactions, population dynamics 8660.

host searching behaviour, *Nemeritis canescens* 6233.

infestations *Choristoneura pinus*, *Pinus banksiana* 1999.

integrated control *Hypera postica* 4817.

intraspecific interactions, mate selection, *Scatophaga stercoraria* 3837.

Mathematical models,(continued)

- kin selection/social organization, *Polistes* 8876.
 life cycles 5527.
 locomotion/surface tension, *Chresmoda* /*Gerris* 8949.
 migration/selection, population genetics, *Biston betularia* 1346.
Orgyia pseudotsugata population dynamics, computer programs 1169.
 osmoregulation, *Semiadalia undecimnotata* 9247.
 oviposition, *Callosobruchus maculatus* 2764.
Pediobius foveolatus parasitism *Epilachna varivestis* 2842.
 pest attack, *Dendroctonus frontalis* 1230.
 pest control/pest status, *Spodoptera frugiperda* 8729.
 pest control/phenology, *Quadraspidiotus perniciosus* 8589.
 pest outbreaks, *Haemaphysalis longicornis* 8696.
 pest outbreaks Aphididae, review 1333.
 pests management 5662.
Podisus maculiventris predation effects on spatial distribution iGalleria mellonella 1185.
 population dynamics 497.
 population dynamics, *Dendroctonus frontalis* 9499.
 population dynamics, *Lucilia cuprina* 2944.
 population dynamics, *Lucilia curpina* 3865.
 population dynamics, *Metaseiulus occidentalis* /*Tetranychus urticae* 4831.
 population dynamics, *Unaspis yanonensis* 8675.
 population dynamics/development, *Aedes aegypti* 492.
 population dynamics/environmental factors, *Tribolium castaneum* 5605.
 population dynamics *Lymantria dispar* 7015.
 population dynamics *Sericesthis nigrolineata* 3885.
 population dynamics *Sitobion avenae* 3047.
 population growth, intraspecific interactions, *Drosophila* 4712.
 population models, Lepidoptera/Aphididae 3896.
 population models *Macrosiphum lirioidendri* 4734.
 population structure, *Apis mellifera* 9649.
 population studies, *Grapholitha molesta* 6309.
 populations cycles, *Lucilia cuprina* 3866.
 predation, population dynamics 9528.
 predator-prey interactions, *Pergamasus crassipes* /*Onychiurus armatus* 1988.
 predator-prey interactions, *Phytoseiulus persimilis* /*Tetranychus pacificus* 510.
 recruitment communication, Formicidae 4605.
 sampling, population dynamics, *Dendroctonus jeffreyi* 2959.
 secondary production Ephemeroptera populations 2111.
 seston capture, Trichoptera larvae 9660.
 sex ratios, groups selection 8879.
 sex ratios evolution, parasitoids 9717.
Solanum tuberosum pest status, *Leptinotarsa decemlineata* 5697.
 song *Locusta migratoria* 5353.
 spatial distribution, Tortricidae 8659.
 spatial distribution, *Tribolium confusum* 4762.
 spatial distribution eggs, *Phytomyza ranunculi* 7817.
 sterile release, effects on population dynamics, Insecta 3097.
 sterile-release pest control 3976.
 swimming coordination/stability, *Hydrophilus piceus* /*Limnochares americana* 2512.
 walking control, physiology nervous system, Insecta 3467, 3468.
 weight/fecundity relationship, *Myzus persicae* 5623.
Wuchereria bancrofti transmission capacity, Culicidae 3926.
Mating,
 + feeding, *Oecanthus nigricornis* 1112.
 advantages, alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 3156.
Aedes albopictus 355.
 aggregation behaviour, Cicadidae 3738.
Anopheles pseudopunctipennis 1865.
 Apoidea, review 1059.
 Araneidae 351.
Bathycollia thalassina 1862.
Brachyptera braueri /*Perlodes microcephalus* 353.
 chemosterilants effects on, *Lucilia cuprina* 1797.
 circadian rhythms, *Nomadopsis puellae* 3695.
 communication disruption, *Amrasca devastans* /*Nilaparvata lugens* 1871.
Culicoides variipennis 1887.
 delayed, effects on engorgement/blood meal, *Ixodes trianguliceps* 1823.
 diets effects on, *Culex nigripalpus* 1799.
 effects on behaviour, *Stegobium paniceum* 1065.
 effects on reproductive behaviour/oviposition, *Ceratitis capitata* 1858.
Harpobittacus australis 1855.
 humidity/temperature effects, *Chilo suppressalis* 2730.
Hylobittacus apicalis 361.
 Insecta, review 357.
Ips grandicollis 2757.
 juvenile hormones analogues effects on, *Dysdercus koenigii* 4554.
Leucania separata 363.
Mamestra suasa 1064.
 mate selection, interspecific hybridization, *Anopheles* 4080.
 mating behaviour, *Cydia pomonella* 352.
Mischocyttarus drewseni 358.
Myrmecocystus mexicanus 1864.
Nezara viridula 364.
Pectinophora gossypiella strains 3692.
 phenology/reproductive strategy, *Phidippus johnsoni* 1062.
Plecia nearctica 362.
 population genetics, *Drosophila* 1352.
Pyrgomorpha bispinosa 2795.
 radiation (γ) effects on, *Culex tarsalis* 1046.
 radiation (γ) effects on, *Cydia pomonella* 2759.
 reproduction, *Gryllus integer* /*Acheta domestica* 1856.
 reproductive status *Spodoptera littoralis* , Israel 1066.
Rhynchopolipus rhynchophori 2694.
 role carboxylesterase, *Drosophila melanogaster* 1058.
 sex pheromone/tactile stimuli, *Adoxophyes* 2761.
 sexual selection, population genetics, *Drosophila melanogaster* 4093.
 spermatozoa transfer, *Diabrotica virgifera* 3682.
 sterile release *Cochliomyia hominivorax* 1261.
 strategy, *Acanthocoris sordidus* 3891.
 temperature/humidity effects on, alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 1804.
Matutinus,
 new species, China, People's Rep. 91.
Mauriella,
 taxonomy 756.
Mauritania,
 check lists/new records Odonata 1400.
Mayetiola destructor,
 pest resistance *Triticum aestivum* 7892.
 pest resistance *Triticum tauschii* 7079.
 pest status, *Triticum aestivum* 4841.
Mechistocerus,
 chromosomes 609.
Mecicobothriidae,
 taxonomy/phylogeny 761.

- Mecicobothrium thorelli*,
taxonomy 761.
- Mecidea major*,
first record, USA Illinois 8937.
- Mecinonata*,
new species, Malaya 9017.
- Mecistum*,
new species, Brazil 831.
- Meconema thalassinum*,
geographical distribution/biology, Sweden 7212.
sound production 4481.
- Meconium*,
see *Faeces*, Excretion
- Mecopomorphus*,
taxonomy 1448.
- Mecoptera**,
check lists, Switzerland Balmoos 1361.
keys, Neotropical Region 7231.
- Mecyclothorax*,
new species, Tahiti 3300.
- Mecynogea*,
revision, Nearctic Region 1430.
- Mecynogea lemniscata*,
competition *Metopeira labyrinthica* 7021.
- Mecynotarsus*,
taxonomy 2300.
- Medetera roghii*,
first record, Malta/Sicily 7195.
- Medon*,
new species, Italy/Turkey 9029.
new species, Yugoslavia 5866.
- Megabothris asio*,
parasitism *Rattus norvegicus* 2849.
- Megacephala affinis*,
predation *Onthophagus* 8680.
- Megacerus cubicus*,
larvae 186.
- Megachile*,
new species, Brazil 835.
new species/new records, Saudi Arabia 5935.
new subspecies, Turkey 4271.
- Megachile analis*,
foraging behaviour 9408.
- Megachile rotundata*,
development/survival, temperature effects 1807, 1809.
emergence, geographical variations 8591.
fungi 2654.
- Megachilidae**,
behaviour 9408.
check lists/new species, Turkey 4270.
cocoons 1868, 2784.
development/survival 1807, 1809.
fungi 2654.
life cycles 8591.
nests 5505.
new species, Arabia 5175.
new species, Brazil 835.
new species/new records, Ethiopian Region/Israel 5935.
new subspecies, Turkey 4271.
Pollination 8623.
pollination *Opuntia* 4693.
taxonomy 5936.
- Megacoelum modestum*,
pest status/damage, *Gossypium hirsutum*, Australia
Queensland 3082.
- Megadelphax sordidulus*,
first record, Turkey 2226.
- Megadolomedes*,
new genus 6560.
- Megahexura fulva*,
taxonomy 761.
- Megaloceraea recticornis*,
competition *Notostira elongata*, food selection 4747.
- Megalopinus*,
taxonomy 8164.
- Megaloproctus*,
taxonomy 7352.
- Megalopsallus*,
new species, Canada 84.
- Megaloscapa*,
taxonomy 9023.
- Megalotomus quinquespinosus*,
aggregation behaviour 458.
stridulatory apparatus 7539.
- Megamelus davisi*,
leg spines 9136.
- Megapodagrionidae**,
breeding sites 4744.
- Megaselia*,
parasitism *Cimbex femoratus* 2840.
- Megaselia halterata*,
fecundity/mating behaviour 4518.
toxicity insecticides 305.
- Megaselia obscuripennis*,
parasitism *Trichosia* 4673.
- Megaselia scalaris*,
life cycles/development, sex differences 8587.
parasitism *Zonocerus variegatus* 1121.
- Megaselia subnitida*,
pathology, *Asco cystis brachyceri* infection 1738.
- Megaspilidae**,
new species, Italy/France 2397.
new species, Somali Dem. Rep. 6664.
new species/check lists, Algeria 2407.
taxonomy 836, 837, 838, 2396, 2406, 2408, 5176, 5937.
- Megasternum*,
taxonomy 9012.
- Megastigmus dorsalis*,
parasitism, *Andricus legitimus* galls, *Quercus* 2401.
- Megastigmus spermatrophus*,
pest status/geographical distribution, *Pseudotsuga menziesii*
France 7074.
- Megeremaeus expansus*,
first record, USSR 9.
- Megeremaidae**,
new records, USSR 9.
- Megoura viciae*,
development, juvenile hormones 4560.
flight muscle degeneration, ultrastructure 4351.
moulting, n-butanol effects on 1045.
nerves ultrastructure, methodology 161.
- Meiosis**,
see also **Cells**, **Chromosomes**
chromatin organization, *Bombyx mori* 1310.
chromosomes, *Ectrychotes abbreviatus* 2154.
chromosomes nondysjunction, *Drosophila* 3146.
chromosomes pairing, *Stethophyma grossum* 619.
genes deficiency, X chromosome, *Drosophila melanogaster*
599.
mechanisms/ultrastructure, Apidae 4050.
- Parasarcophaga* males 3145.
recombination, role X chromosome, *Drosophila melanogaster* 611.
temperature effects, *Bombyx mori* 1818, 1819.

Meiosis, (continued)

Warramaba virgo, review 4049.

Melanagromyza,

new species, Nearctic Region 9033.

Melanagromyza azawii,

pest status, *Sesamum indicum*, India 3073.

Melanagromyza cunctanoides,

bionomics/parasitism 3765.

genitalia 94.

Melanagromyza obtusa,

pest status, *Cajanus cajan*, India Uttar Pradesh 3096.

Melanagromyza sajae,

pest resistance *Glycine max* / *Vigna radiata* 1140.

Melanaphis meghalayensis,

taxonomy 9067.

Melanaphis vandergooti,

taxonomy/morphology 3366.

Melanargia galathea,

aberrations determination 1303.

rearing 6714.

Melanargia russiae,

first record, Greece 6512.

Melandryidae,

zoogeography 8065.

Melangyna,

new species, Norway 2373.

Melanism,

see also **Pigments**

Biston betularia, Norway 4092.

Melanogryllus desertus,

brain neurohaemal organs 4363.

median neurosecretory cells, ultrastructure 4362.

Melanophila,

pest status, *Pinus ponderosa* 5681.

Melanophila acuminata,

radiation (i.r.) perception 932.

Melanophthalma,

new species, Argentina 4202.

new species, Ethiopian Region 5833.

Melanoplus,

pathogenicity *Nosema locustae* 3593.

pest status, *Glycine max* 4822.

Melanoplus bivittatus,

development, host plants effects on 4516.

Melanoplus differentialis,

cuticle esters 4342.

Melanoplus femur-rubrum,

chromosomes 7153.

transmission potato spindle tuber viroid 1234.

Melanoplus frigidus,

chromosomes 4058.

Melanoplus sanguinipes,

estimation damage *Triticum* 883.

genes, coloration 3131.

heart, parthenin effects on 9189.

immune response (cell mediated) *Diplotrinaena tricuspis* 2639.

nutrition/water balance, diets 6806.

population dynamics/competition, grasslands 2952.

proteins, fat body/haemolymph/ovary 3667.

red back mutant 6425.

reduced-eye mutant 6424.

reproduction-longevity relationship 8592.

Melanostoma,

taxonomy 7320.

Melanostoma fasciatum,

natural enemies *Acyrtosiphon*, New Zealand 3972.

Melanostoma orientalis,

taxonomy 9052.

Melanotrichus,

new species/new records, Canada 815.

Melasidae,

keys, Italy 36, 37, 38.

Meleageria daphnis,

geographical distribution/new subspecies, Turkey/Iran 8267.

Melecta,

revision, Palaearctic Region 4259.

Meligethes,

new species, Algeria 9015.

new species, Oriental Region 7290.

Meligethinus,

new species, Ethiopian Region 5103.

new species, Oriental Region/China, People's Rep. 7290.

Melipona,

foraging behaviour 4623.

queens, morphology 914.

Melipona interrupta,

pollination *Hybanthus prunifolius* 1953.

Melipona quadrifasciata,

antennae, sensilla ultrastructure 936.

caste determination, tergal gland 5719.

spermatogenesis, ultrastructure 4574.

Melissodes persimilis,

nests 4643.

Melittaea persea,

new subspecies, Iran 7383.

Melittoma,

biology/nests 5504.

Melittonomia,

new species, Ghana 8130.

Melittidae,

biology 6188.

new records, USA Illinois 7227.

phylogeny 2197.

Melitturga clavicornis,

first record, Europe 1375.

Melitturga taurica,

taxonomy 1375.

Mellicta athalia,

first record, Spain Murcia 705.

Melloleitaniana riodariensis,

taxonomy 4177.

Meloboris,

new species, Canary Is./Azores/Madeira 5171.

Meloidae,

biology 6186.

check lists, Botswana 3242.

check lists/new species, Gambia/Senegal 7289.

chromosomes 3142.

development 3741.

grasslands, food preferences 1110.

new species, India 4204.

new species, Lao, People's Dem. Rep./Philippines 9014.

new species/new records, Sri Lanka 2326.

osmoregulation 6826.

taxonomy 8150, 8502.

toxicology 299.

toxins 6319.

water balance 8403.

zoogeography 5779.

Melolontha melolontha,

food preferences/food consumption 6212.

Melolontha vulgaris,

α , α -trehalase purification/characterization 3538.

- Melolonthidae**,
chemical control 6357.
feeding 6212.
new species, Neotropical Region 4205.
populations, Ivory Coast 2965.
- Melophagus ovinus**,
pest resistance sheep 3920.
- Melvertes**,
taxonomy 8208.
- Melyridae**,
biology 6941.
new species, Jordan 2327.
new species, USSR 5102.
- Melyris**,
new species, Jordan 2327.
- Membracidae**,
behaviour 6968.
biology 1094.
bionomics/evolution 1355.
check lists, USA Delaware 8938.
communities, forests, USA Delaware 9550.
embryology 9310.
host selection 9703.
new species, Brazil 93, 822, 824.
new species, Brazil/Trinidad 823.
new species, India 4257.
taxonomy/life cycles 5924.
- Memory**,
see **Learning**
- Menacanthus**,
new species, USSR 1525.
- Menacanthus cornutus**,
parasitism chickens/guineafowl 4773.
- Menacanthus minusculus**,
taxonomy/first record, Spain 1524.
- Menacanthus stramineus**,
dispersal, poultry housing 3817.
- Meneus**,
ocelli, ultrastructure 4372.
- Mengenilla**,
new species, Sri Lanka 2443.
- Mengenillidae**,
new species, Sri Lanka 2443.
- Menimus nitidulus**,
taxonomy 1463.
- Meniscomorpha**,
new species, Brazil 833.
- Menoponidae**,
dispersal 3817.
new records, Spain 1524.
new species, Argentina 137.
new species, New Britain 4282.
new species, Trinidad 8285.
new species, USSR 1525.
parasitism 4773.
taxonomy 7392.
- Meranoplus**,
revision, Ethiopian Region 8250.
- Mercury**,
bioaccumulation, *Lucilia*, Yugoslavia Idrija 1160.
- Meromyza**,
new species, Mongolia, People's Rep. 5124.
- Merophysiidae**,
check lists, Ethiopian Region 5833.
- Merragata lacunifera**,
larvae 8337.
- Mesembrius peregrinus**,
taxonomy 9054.
- Mesephemera**,
taxonomy/Ephemeroptera 8207.
- Mesestola**,
new genus, Guadeloupe 775.
- Mesograptus**,
parasitism, *Spilochalcis hirtifemora* 434.
- Mesolaelaps**,
review, Australia 757.
- Mesolecanium**,
taxonomy 8239.
- Mesoleius tenthredinis**,
baculovirus infection 6085.
- Mesoligia faroulti**,
first record, Italy 1383.
- Mesosa hirsuta**,
new subspecies, Japan 2313.
- Mesotyphlus**,
new species, Corsica 3332.
new species, Italy 9027.
- Mesoveliidae**,
taxonomy 5137.
- Messa nana**,
taxonomy 2413.
- Messor**,
photosensitivity, cuticle 4371.
- Messor barbarus**,
foraging behaviour, bone 7688.
- Messor syriacus**,
biology/brood rearing 2104.
- Meta**,
new species, USA 1430.
- Metablinuncus**,
new species, Java/India 758.
- Metabolism**,
acetaldehyde, *Drosophila melanogaster* 9197.
Acheta domestica 4391.
adaptations deserts, *Arenivaga* 9246.
adenosine, *Drosophila melanogaster* larvae 3529.
age/hormones effects on, fat body, *Blaberus discoidalis* 8398.
ageing effects on, *Drosophila melanogaster* 1782.
anaerobiosis, glucose/glutamate, *Callitroga macellaria* 6043.
anaesthetics/temperature effects, *Formica rufa* 9212.
auxins, *Lygus disponi* 3531.
benzoic acids, *Periplaneta americana* /*Acanthoxyla intermedia* 3520.
biogenic amines, *Ostrinia nubilalis* 6040.
biosynthesis hydrocarbons, *Zootermopsis angusticollis* 243.
biosynthesis pteridines, *Drosophila melanogaster* 1327.
biosynthesis pyrimidine, *Drosophila melanogaster* 4410.
Callosobruchus maculatus 2588.
carbaryl, *Lymantria dispar* 8478.
carbohydrates, diapause, *Bombyx mori* 3660.
carbohydrates, diapause, *Pieris brassicae* 6794.
carbohydrates, heart, *Heterometrus fulvipes* 3543.
carbohydrates, *Polydesmus angustus* /*Oniscus asellus* 8426.
carotenoids, midgut/haemolymph, *Rhynchosciara americana* 3514.
cellulose, *Oryctes nasicornis* larvae 6035, 6044.
chitin biosynthesis, *Tetranychus urticae* 6811.
chloromethiuron, *Boophilus microplus* 313.
cholesterol, *Tenebrio molitor* 246.
cold hardiness, *Alaskozetes antarcticus* 4467.
cold hardiness, *Coleomegilla maculata* /*Hippodamia convergens* 4468.

Metabolism,(continued)

- Costelytra zealandica* larvae 3519.
cuticle tanning, *Manduca sexta* 4432.
cytochrome P-450, pesticide resistance, *Musca domestica* 296.
dicofol, *Panonychus citri* 5305.
dieldrin, cuticle, *Calliphora erythrocephala* 2590.
dieldrin, *Schistocerca gregaria* 1765.
dieldrin, *Schistocerca gregaria* / *Blaberus discoidalis* 4419.
diflubenzuron, *Choristoneura occidentalis* / *Orgyia pseudotsugata* 5380.
ecdysone/ecdysterone, imaginal discs wings, cell culture, *Pieris brassicae* 207.
energy budget, *Chaoborus trivittatus* 3532.
energy requirements running, *Camponotus herculeanus* / *Formica* 1613.
fat body, glycogen phosphorylase activation, hormones, *Locusta migratoria* 8397.
fat body/ovary, *Macrotermes subhyalinus* / *Nauphoeta cinerea* 2593.
fatty acids, *Anthonomus grandis* 1675.
fatty acids, *Ceratitis capitata* 261.
fatty acids, *Heliothis virescens* 8410.
fatty acids/hydrocarbons, *Zootermopsis angusticollis* 247.
flight, adipokinetic hormone effects on, *Locusta migratoria* 2513.
flight, carbohydrates, *Apis mellifera* 3513.
flight, flight muscle enzymes, *Locusta migratoria* 6042.
flight, haemolymph octopamine, *Schistocerca gregaria* 6024.
flight, *Leptinotarsa decemlineata* 3459.
flight, *Locusta migratoria* 6039, 6815.
flight, *Lymantria dispar* 6801.
flight muscle, corpora allata effects on, *Locusta migratoria* 3643.
flight muscle, cyclic nucleotides, *Locusta migratoria* 4416.
flight muscle, flight, *Locusta migratoria* 965.
flight/starvation, *Leptinotarsa decemlineata* 4408.
glucosamine, *Drosophila virilis* 4411.
glucose, corpora cardiaca effects on, *Tenebrio molitor* 5296.
glucose, role hormones, *Pieris brassicae* 3534.
glucose/palmitic acid, *Pieris brassicae* 7504.
glucose/palmitic acid oxidation, development, *Pieris brassicae* 9215.
glycerolipids, *Heliothis virescens* 6819.
glycogen, light effects on, eye, *Apis mellifera* 1630.
glycogen/trehalose, *Philosamia cynthia* 7510.
guanine/guanosine, *Drosophila melanogaster* larvae 3530.
haemolymph amino acids, nuclear polyhedrosis virus effects on, *Spodoptera littoralis* 2580.
haemolymph proteins, parasitism, *Manduca sexta* 9454.
humidity effects, *Tineola bisselliella* 8413.
insecticides, cholinesterase activity, *Anterhaea pernyi* / *Blepharipa tibialis* 9218.
insecticides, esterase activity, *Triatoma infestans* 9207.
insecticides, host plants effects on, *Peridroma saucia* 9615.
juvenile hormones, *Locusta migratoria* 335.
lipids, *Ceratitis capitata* 5303, 5322.
lipids, diets effects on, *Glossina morsitans* 1813.
lipids, flight muscle, *Pantala flavescens* 8354.
lipids, migration, *Danaus plexippus* 6810.
lipids, nutrition effects on, *Glossina palpalis* 7627.
lipids/carbohydrates, development, *Gilpinia hercyniae* 7508.
metabolic rate, *Alaskozetes antarcticus* 251.
metabolic rate, development, *Tetranychus cinnabarinus* 3861.
metabolic rate, relationship foraging behaviour, *Loxoscelidae* 4626.
metabolites, sex differences, *Philosamia ricini* 6818.
muscles, pupae *Calliphora vomitoria* 2695.
nitrogen, *Aedes aegypti* 4420.
nitrogen, *Blattella germanica* 5300.
nitrogen, mutants, *Bombyx mori* larvae 2589.
p-nitrophenylacetate hydrolysis, *Culex tarsalis* 7505.
nutrient balance *Epilampra irmleri*, tropical rain forests 1177.
overwintering, *Epilachna chrysomelina* 6796.
oxygen consumption, atmospheric pressure effects on, *Apis mellifera* 8404.
oxygen consumption, diapause, environmental factors, *Staphylinidae* 6807.
oxygen consumption, *Nomuraea rileyi* infection. effects on, *Heliothis zea* 6848.
oxygen consumption, *Plecoptera* / *Ephemeroptera* 6797.
phytosterols, *Trogoderma granarium* 2586.
plants sterols, *Apis mellifera* 8411.
proline, *Culiseta inornata* / *Diptera punctata* / *Drosophila hydei* / *Schistocerca gregaria* 249.
proline biosynthesis, fat body, *Leptinotarsa decemlineata* 6812.
proline/pyruvate, flight muscle, *Leptinotarsa decemlineata* 1682.
pterins/steroids, defence, *Photinus pyralis* 9214.
purines, *Drosophila melanogaster* larvae 3537.
purines/ribonucleosides, *Anopheles albimanus* 3544.
pyrimidines, genes, *Drosophila melanogaster* 4065.
respiration, *Atta* 6816.
respiration, cold acclimation, *Alaskozetes anartarcticus* 3559.
respiration, development, *Attagenus megatoma* 7643.
respiration, development, *Lucilia cuprina* 4582.
respiration rhythms, diapause, *Pieris brassicae* 4539.
riboflavin/isoxanthopterin, *Chrysomya rubifacies* / *Formica pratensis* / *Lasius* / *Leptinotarsa decemlineata* 9217.
ribosomes activity, diapause eggs, *Bombyx mori* 2703.
silk gland, methoprene effects on, *Bombyx mori* 5346.
starvation, *Oxya japonica* 7496.
sterols, *Apis mellifera* 4429.
temperature tolerance, *Periplaneta americana* 5337.
thymidine/thymine, *Drosophila melanogaster* 5320.
tissues toxicity, *Nauphoeta cinerea* / *Tanyemecus dilaticollis* 9276.
trehalose, glucose diets effects on, *Bombyx mori* larvae 3518.
tryptophan, *Carausius morosus* 4422.
tryptophan, development *Carausius morosus* 1851.
zinc elimination relationship oxygen consumption, *Acheta domestica* 1686.
- Metacerylon**,
new species, Zaire 3311.
Metacheletoides,
new species, Ethiopian Region 5052.
Metagonyleptoides,
taxonomy 26.
Metajapyx,
new species, Italy 6599.
Metallaxis,
new species, Malagasy Rep. 3387.
Metamorphosis,
amino acids levels, *Coccinella septempunctata* 252.
brain anatomy, *Sarcophaga ruficornis* 2537.
chitin biosynthesis, *Galleria mellonella* 2505.
coloration, larvae, *Ephestia kuehniella* 981.
corpora cardiaca histology/ultrastructure, *Ephemera danica* 1723.
20-hydroxyecdysone effects on, mutants, *Drosophila melanogaster* 3653.

Metamorphosis,(continued)

fat body development/nucleic acids, *Leptinotarsa decemlineata* 1689.
 fat body proteins, *Diatraea grandiosella* 1676.
 haemolymph/fat body proteins, *Bombyx mori* 5319.
 hormones/enzymes activity, *Galleria mellonella* 3662.
 hormones regulation, *Manduca sexta* 1051.
 midgut, *Parasarcophaga ruficornis* 949.
 octopamine, brain, *Mamestra configurata* 2517.
 respiration, *Tenebrio molitor* 2749.
 5-(4-biphenyl)-3-methylvaleric acid effects on, *Rhodnius prolixus* 2716.

Metaphycus,

parasitism *Coccus hesperidum*, immunology 6971.

Metaphycus ater,

first record, USSR 6511.

Metaphycus bartletti,

biological control *Saissetia oleae* 7093.
 new records, USA California 5035.

Metapterencyrtus,

new species, India 1510.

Metaseiulus occidentalis,

cycloprate/DPX-3792 effects on 2078.
 pesticide resistance dimethoate, nontarget organisms 2662.
 population dynamics, predation *Tetranychus urticae*,
 mathematical models 4831.

Metatrachioniscoides,

new species, British Isles 7408.

Metcalfa pruinosa,

feeding communities 6291.

Metellina,

revision, Nearctic Region 1430.

Meteoros,

revision, Palaearctic Region 4261.
 taxonomy 7353.

Meteoros autographae,

parasitism *Spodoptera frugiperda* 2839.

Meteoros unicolor,

parasitism *Spodoptera exigua*, Israel 1122.

Metepira labyrinthea,

competition *Mecynogea lemniscata* 7021.

Metepria,

new species, Ethiopian Region 5103.

Methidathion,

control *Smicronyx fulvus* 2062.

Methodology,

aerial photography, pest status, Acrididae 7868.
 aerial photography, *Pinus ponderosa* damage, *Dendroctonus brevicornis* 4814.
 age assessment, Culicidae 6723.
 age determination, *Locusta migratoria* 2468.
 ageing methods, *Simulium damnosum* 1553.
 analysis/detection pheromones 4314.
 analysis food niches, *Bombus* 5228.
 analysis pheromones, Scolytidae 5988.
 antisera, *Dendroctonus* 7424.
 apiculture 167, 168.
 artificial colonization, *Anopheles albimanus* 4834.
 artificial infestations, *Diatraea grandiosella* /*Ostrinia nubilalis* /*Spodoptera frugiperda* 8312.
 artificial infestations *Gossypium hirsutum*, *Heliothis virescens* 3107.
 artificial infestations *Zea mays*, *Spodoptera frugiperda* 3039.
 artificial insemination, workers effects on, *Apis mellifera* 9303.
 assays, acetylcholinesterase activity/inhibition, *Musca*

domestica /*Spodoptera littoralis* 2446.

assays, juvenile hormones 8316.

assessment pathogens mortality factors Insecta populations 3825.

assessment population density *Anopheles albimanus* 1562.

attractants, Insecta 5979.

bioassays, chitin biosynthesis + inhibitors, *Stomoxys calcitrans* 212.

bioassays, *Coptotermes acinaciformis* 7418.

bioassays, *Hordeum* proteins evaluation, *Tribolium confusum* 1548.

bioassays, insecticides persistence, *Acheta pennsylvanicus* 5683.

bioassays, mutagenicity testing, *Drosophila melanogaster* 8319.

bioassays, persistence growth regulators/insecticides, *Lycoriella mali* 8482.

bioassays, pest control, Simuliidae 7842.

bioassays, pollution indicators, Arthropoda 8300.

bioassays, repellents, Simuliidae 5329.

bioassays, toxicity pesticides, *Apis* 5982.

bioassays toxicity permethrin, *Aedes aegypti* /*Anopheles quadrimaculatus* 2686.

body wall turgor regulation, central nervous system studies, Insecta 1552.

capture-recapture studies, survival/population levels *Anopheles subpictus* 480.

cell culture, Insecta 919, 6715.

chemical control *Cochliomyia hominivorax* 3014.

chromosomes staining, *Drosophila melanogaster* 2463.

cleaning/coloration specimens, Insecta 9114.

cleaning specimens, Insecta 9131.

collection/rearing *Thanasimus dubius* 5972.

collection *Rhyacionia* pupae, soil 170.

cryo-ultramicrotomy, antennal chemoreceptors, *Bombyx mori* 6767.

culture salivary gland, *Chironomus tentans* 2498.

determination juvenile hormones-analogues esterase activity, Insecta 1546.

determination oviposition rates, *Tribolium castaneum* 7428.

diagnosis, parasitism cattle, *Hypoderma* 7854.

disflubenzuron/methoprene persistence, bioassays, *Aedes aegypti* 177.

electrophoresis, enzyme polymorphism analysis, review 7425.

estimation damage *Triticum*, *Melanoplus sanguinipes* 883.

estimation energy flow, Carabidae populations 3862.

estimation population density, Formicidae, sampling 481.

estimation population density, *Gerris* 6271.

estimation population levels, *Choristoneura fumiferana* 5232.

estimation population levels Siphonaptera infestations

Rhombomys opimus 1125.

estimation populations *Cinara piniformosanus* 2457.

evaluation biological activity acaricides 879.

evaluation pest resistance *Ipomoea batatas*, *Cylas formicarius* 471.

evaluation predators, *Papilio xuthus* 2931.

fecundity assessment, *Choristoneura fumiferana* 5227.

feeding, *Anopheles gambiae* 5239.

feeding blood meals, Culicidae/Reduviidae 2461.

feeding *Epilachna varivestis* 2452.

feeding studies, *Wiseana* 3753.

fixation nerves, ultrastructure, *Megoura viciae* 161.

flight migration, Insecta 882.

fluorometry, ecdysones 6045.

food selection, *Pardosa sternalis* 9116.

genitalia morphology, Onthophagini 164.

histology, neurosecretion, *Dysdercus koenigii* 8314.

Methodology,(continued)

- identification photoreceptors, eye *Musca domestica* 1549.
isolation/characterization, haemocytes, *Calliphora vicina* 4316.
isolation steroids, Insecta 5240.
isolation synaptosomes, *Locusta migratoria* 5983.
mandibles movements, *Mamestra brassicae* 4327.
marking, dyes, *Anthonomus grandis* 2460.
marking, *Plautia stali* 4317.
marking and tracking techniques, *Anthonomus grandis* 8311.
marking and tracking techniques, Culicidae 9132.
mass rearing, *Amblyomma americanum* 5980.
mass-rearing, artificial diets, *Acalolepta luxuriosa* 4319.
mass rearing, *Ceratitis capitata* 8303.
mass rearing, *Spodoptera littoralis* 8535.
mass rearing *Anopheles albimanus* 1550, 1910.
measurement excretion rates, *Tyrophagus longior* 4315.
measurements aerodynamic properties, flight, *Sarcophaga bullata* 9162.
measuring techniques, carbon dioxide production, *Ctenicera aeripennis* 5974.
measuring techniques, feeding, *Haematobia irritans* 5231.
measuring techniques, flight activity, Insecta 8310.
measuring techniques, food consumption, Lepidoptera larvae 5981.
measuring techniques, galleries, *Dendroctonus frontalis* 9120.
measuring techniques, haemocytes, *Heliothis virescens* 9118.
measuring techniques, juvenile hormones, *Pieris brassicae* 4318.
measuring techniques, pest status Orthoptera 8732.
measuring techniques, sex ratios, *Trichoniscus pusillus* 6118.
measuring techniques feeding, honeydew production, *Nilaparvata lugens* 165.
measuring techniques oxygen consumption, flight, Sphingidae/Saturniidae 8417.
microscopy, cold immobilization, Homoptera 877.
microscopy, Coleoptera 8306.
microscopy, fixation, nerves Insecta 4309, 4310.
microscopy, mandibles Coleoptera 5973.
microscopy, morphology Lepidoptera eggs 875.
monitoring cricket paralysis virus, Gryllidae 3424.
nuclear polyhedrosis virus assays, Noctuidae 9130.
observation methods/rearing *Bombus*, nests 169.
osmoregulation/*Myzus persicae* consumption measuring techniques, iSemiadalia undecimnotata 9247.
pests management, *Heliothis virescens* 5688.
pheromone traps, control *Lymantria dispar* 5222.
pheromone traps configurations, *Cydia nigricana* 5975.
photography, activity *Aphodius tasmaniae* larvae 3418.
pole cells isolation, maternal effect mutant, *Drosophila melanogaster* 880.
population studies *Aethus indicus* 4737.
population studies *Drosophila* 2955.
preparation artificial diets, *Amathes c-nigrum* 171.
preparation muscles, *Acheta domestica* 2459.
preservation Hydrachnellae 6.
proteinase activity, gut 8296.
quantitation engorgement, size, *Dermacentor variabilis* 1547.
radioisotopes, measuring techniques, digestion, Orthoptera 5241.
rearing, adaptations, *Trichoplusia ni* 7420.
rearing, *Anopheles subpictus* 9416.
rearing, *Anoplophora malasiaca* 9126.
rearing, *Anthonomus grandis* 9119.
rearing, *Apis mellifera* 8765.
rearing, artificial diets, *Drosophila busckii* 5978.
rearing, artificial diets, *Sogatella furcifera* 4323.
rearing, *Blepharipa pratensis* 7421.
rearing, *Cnaphalocrocis medinalis* 6722.
rearing, *Coenonympha corinna* 6718.
rearing, *Culex tritaeniorhynchus* 8317.
rearing, effects on enzyme polymorphism, *Cydia pomonella* 9123.
rearing, effects on flight activity, *Anastrepha suspensa* 9392.
rearing, environmental factors, *Coccygomimus turionellae* 7619.
rearing, flight muscle damage, *Ceratitis capitata* 9334.
rearing, *Glossina pallidipes* 7602.
rearing, *Heliothis armigera* 3428.
rearing, inbreeding, *Glossina morsitans* 5748.
rearing, *Longitarsus albineus* 7422.
rearing, *Lyctus brunneus* 6719.
rearing, *Melanargia galathea* 6714.
rearing, *Neoseiulus californicus* / *Phytoseiulus persimilis* 7415.
rearing, *Ooencyrtus ennomophagus* 4322.
rearing, *Orius insidiosus* 9331.
rearing, parasites *Coleophora laricella* 6982.
rearing, *Phlyctinus callosus* 9335.
rearing, *Prospaltella opulenta* 8773.
rearing, quality control, *Dacus oleae* 5234.
rearing, *Riptortus clavatus* 7409.
rearing, *Scotogramma trifoli* 7411.
rearing, sex ratios, *Bracon brevicornis* 6226.
rearing, Simuliidae 9125.
rearing, *Simulium decorum* 6724.
rearing, *Sphinx ligustri* 5986.
rearing, *Zea mays* infestation, *Diatraea grandiosella* 9128.
rearing *Anthonomus grandis* 3429.
rearing *Chrysopa lanata* 5223.
rearing *Cnaphalocrocis medinalis* 881.
rearing *Culicoides variipennis* 4326.
rearing Dryinidae 7416.
rearing *Lysandra hispana* 3423.
rearing *Microtermes* 7729.
rearing Noctuidae 5976.
remote sensing, damage, pests Insecta 5657.
sampling, *Aedes* 5597.
sampling, *Agromyza frontella* populations 5237.
sampling, Aphididae 8769.
sampling, Apoidea 9129.
sampling, Arthropoda, grasslands 7426.
sampling, *Choristoneura fumiferana* populations 5236.
sampling, cocoons *Orygia pseudotsugata* 1190.
sampling, *Colaspis brunnea* 4325.
sampling, *Culicoides* 8315.
sampling, *Cydia pomonella* 4823.
sampling, Elateridae/Scarabaeidae 5225.
sampling, *Graphium sarpedon* 8304.
sampling, Insecta 9122.
sampling, light traps, Tachinidae 874.
sampling, *Lyriomyza sativae* 6370.
sampling, mating/age effects, *Diatraea grandiosella* 7782.
sampling, Orthoptera 8307.
sampling, pheromone traps, *Adoxophyes* 6720.
sampling, pheromone traps, *Anthonomus grandis* 9623.
sampling, *Pogonomyrmex owyheeii* 1998.
sampling, population dynamics, *Dendroctonus jeffreyi*, mathematical models 2959.
sampling, populations Arthropoda, orchards 9124.
sampling, populations Cicadellidae 9510.
sampling, prey, *Micrathena gracilis* 6967.
sampling, Simuliidae, streams 6711.
sampling, soil extraction, *Culicoides mississippiensis* 8308.

Methodology,(continued)

- sampling, species composition, *Culicoides* 5595.
 sampling, traps, *Hylemya platyura* 884.
 sampling, traps effects on, *Cryptophlebia ombrodelta* 4328.
 sampling, *Trypodendron retusum* 7412.
 sampling *Agromyza frontella* 885.
 sampling *Archips* / *Choristoneura rosaceana* / *Pandemis limitata* 977.
 sampling *Coleophora laricella* 1263.
 sampling Insecta, benthos 3421.
 sampling *Myzus persicae* 878.
 sampling *Solenopsis invicta* 2447.
 sampling *Wiseana* / *Costelytra zealandica* larvae 3431.
 screening, *Pyrus* pest resistance, *Psylla pyricola* 5226.
 semen storage, *Apis mellifera* 9299.
 separation techniques, soil Arthropoda 6716.
 sex differences, *Cochliomyia macellaria* / *Haematobia irritans* / *Stomoxys calcitrans* 4324.
 sex differences, Collembola 4320.
 sex differentiation, *Coccinella septempunctata* 2464.
 sex differentiation, *Rhyzopertha dominica* 6721.
 sex pheromone analysis, Lepidoptera 4312.
 spraying, insecticides, *Chortioctes terminifera* 7873.
 staining, neurosecretion, Insecta 3435.
 sterile-release *Anopheles albimanus* 3426.
 sterilization eggs surfaces 7423.
 storage specimens 9117.
 stylet sheaths relationship feeding activity, *Nezara viridula* 425.
 swarming behaviour, *Anarete pritchardi* 8320.
 temperature effects, *Sitophilus zeamais* symbionts 5224.
 toxicity malathion, *Drosophila melanogaster* 2466.
 trachea volume, *Hyalophora cecropia* 2559.
 tracking, Lepidoptera 1555.
 trapping invertebrates, snow 2455.
 use photography, interspecific interactions, Simuliidae 8787.
 venom characterization, *Apis mellifera* 4503.
Methomyl,
 control *Heliothis zea* / *Spodoptera frugiperda* 557.
Methoprene,
 control *Culex nigripalpus* 534.
 effects on fecundity/emergence, *Musca domestica* 1801.
 effects on reproduction, *Reticulitermes flavipes* 4504.
 persistence, bioassays, *Aedes aegypti* 177.
 toxicity, *Lycoriella auripila* / *Megaselia halterata* 305.
Methoxychlor,
 toxicity/bioaccumulation, aquatic organisms 2122.
Methyl bromide,
 control *Spodoptera littoralis* 2065.
 toxicity, *Cydia pomonella* 6096.
 toxicity, *Ephestia elutella* 8471.
 toxicity, *Plodia interpunctella* / *Sitotroga cerealella* 1768.
Methyl parathion,
 campheclor/molasses effects on persistence, control *Heliothis virescens* 550.
 control *Amrasca biguttula* 2080.
 control *Heliothis virescens* 3944.
 pesticide resistance, *Plutella xylostella* 570.
 pesticide resistance *Heliothis virescens* 1775.
 toxicity, *Anthonomus grandis* 1756.
 toxicity, *Lygus lineolaris* 3611.
Methylnitrosourea,
 mutagenesis, *Drosophila melanogaster*, sex differences 1030.
Metialma,
 chromosomes 6420.
Metius,
 new species, Peru 768.
Metius blandus,
 new subspecies, Peru 768.
Metileucage,
 new genus, USA 1430.
Metopia sauteri,
 cleptoparasitism *Episyrus arrogans* 4668.
Metopolophium,
 parasitism 5158.
Metopolophium dirhodum,
 dispersal, weather effects on 2910.
 fecundity, seasonal variations 4650.
 migration, Europe 6261.
 parasitism, new records hosts, *Toxares deltiger* 2844.
 pest resistance Graminae 3808.
 pest resistance *Triticum* / *Hordeum* 2896.
 population levels, weather 7029.
 reproduction, host plants nutrition effects on 4690.
Metternis ochrolina,
 taxonomy 8280.
Metriocnemus,
 new species, USSR 5880.
Metronia tuberculata,
 new records, introduced species, USA 8067.
Metriopectera bicolor,
 geographical distribution/biology, Sweden 7212.
Metriopectera roeselii,
 first record, British Isles Kent 662.
Platyteleis albopunctata acoustic responses role spatial distribution 4602.
Metzneria aprilella,
 first record, British Isles 8006.
Mexico,
 first record *Cheyletiella parasitivorax* 3257.
 new records Collembola 9757.
 new records *Distigmoptera* 8066.
 new species Anthophoridae 6653.
 new species Atypidae 5818.
 new species Cerambycidae 4193.
 new species Chernetidae 3293.
 new species Cicadellidae 3784.
 new species Coreidae 8211.
 new species Curculionidae 7280.
 new species Encyrtidae 7357.
 new species Entomobryidae 6597.
 new species Geometridae 5948.
 new species Gomphidae 7396.
 new species Gryllidae 5212.
 new species Lauxaniidae 8191.
 new species Lycaenidae 5192.
 new species Mecicobothriidae 761.
 new species Miridae 82.
 new species/new records Tenthredinidae 8256.
 new species Notodontidae 3393.
 new species Oligoneuriidae 5133.
 new species Phalangidae 8986.
 new species Pygmephoridae 4161.
 new species Raillieidae 8968.
 new species Saturniidae 131.
 new species Scarabaeidae 5864.
 new species Staphylinidae 8157.
 new species Tenebrionidae 8168.
 new species Tephritidae 3361.
 new species Trichodectidae 1526, 2437, 7393, 9103.
 new species Trombiculidae 16.
 revision Cyphophthalmi 5827.
 revision/new species *Acalymma* 6568.
 revision Rhinotragini 773.

Mexico,(continued)

synonymy Acrididae 144.

Mexico Pedregal de San Angel,
check lists Collembola 9757.

Mexobisium,
new species, Cuba 1438.

Meza,
taxonomy 5189.

Miarus,
taxonomy 7279.

Miarus abnormis,
first record, Poland 669.

Micaria,
new species, Morocco 760.
taxonomy 5817.

Michaelia,
new records, New Zealand 8899.

Micrathena gracilis,
prey/webs 6967.

Micrillus,
taxonomy/new species, Palaearctic Region 57.

Microcalicha,
new genus 8263.

Microcerotermes,
new species, Saudi Arabia 2417.
taxonomy 2419.

Microcharops,
natural enemies *Anticarsia gemmatalis* , Brazil 3068.

Microctonus,
new species, Nearctic Region 96.

Microctonus aethiopoides,
geographical distribution, Canada Ontario 5783.

Microctonus nitidulidis,
first record, USA Delaware 2250.
parasitism *Stelidota geminata* 2841.

Microctonus vittatae,
coloration variability, temperature effects 6061.
diapause, environmental factors 4535.

Microdispidae,
new species, Ivory Coast 5054.

Microglotta nidicola,
ecology, *Riparia riparia* nests, Czechoslovakia 9504.

Microhoria oertzeni,
new subspecies, Italy 762.

Microlestes,
new species, India 2304.

Microlycus,
new species, Mongolia, People's Rep. 1511.

Micromus lanosus,
first record, France 4130.

Micromus tasmaniae,
natural enemies *Acyrtosiphon* , New Zealand 3972.
predation, age effects 6221.

Micropepla,
new genus, Brazil 93.

Micropeplus,
new species/new records, USSR 58.

Micropeplus marietti,
first record, USSR Central Asia 58.

Microphadnus,
new species, Australia 8252.

Microphysidae,
new records, Nearctic Region 6524.

Microplitis,
new species, Mongolia, People's Rep. 8246.

Microplitis croceipes,
ovipositor + glands, morphology 5395.

parasitism *Heliothis virescens* , effects on development/
glycogen levels 3523.

Microplitis rufiventris,
immature stages 6732.

parasitism *Spodoptera littoralis* 6231.

parasitism *Spodoptera littoralis* , competition *Chelonus*
inanitus 6228.

reproduction, environmental factors 5411.

Microporum,
new species, Ethiopian Region 5103.

Micropectra,
geographical variation/new species, Greenland 67.
new species, Greenland 7308.

Micropterigidae,
eggs 1571.
new species, Europe 7380.

new species, fossils, Lower Cretaceous, USSR 3390.
taxonomy 1519.

Micropteromyia,
new records, Palaearctic Region 9032.

Micropteryx,
new species, Europe 7380.

Micropteryx calihella,
eggs, morphology 1571.

Micropteryx selectella,
taxonomy 5183.

Microscopy,
aldehydes fixation, prothoracic gland, *Rhodnius prolixus*
1596.

electron microscopy(scanning), use taxonomy/phylogeny
Chironomidae 174.

sectioning methodology/morphology, artefacts, rhabdom,
Apis mellifera 1593.

Microscydum,
check lists/new species, Congo, People's Rep. 5113.
new species, Ivory Coast 6591.
new species, Nepal 4210.

Microtermes,
gut anatomy 2567.
pest status/damage, *Zea mays* , Nigeria 3102.
rearing/fungus gardens 7729.

Microterys,
new species, USSR 5927.

Microterys flavus,
development, environmental factors 4665.

Microtes,
taxonomy 2359.

Microtypus,
taxonomy 8246.

Microvelia,
new species, Australia 3365.

Microvelia pygmaea,
first record, Ireland 8902.

Microzetes,
taxonomy 8090.

Micrutalis,
new species, Brazil/Trinidad 823.

Mictini,
revision, Oriental Region/Australian Region 5134.

Middle East,
check lists *Cryptocephalus* 3315.

Migration,
behaviour, *Spodoptera exempta* 887.

Chortoicetes terminifera 2911.

Cnaphalocrocis medinalis 7783.

Cnaphalocrocis medinalis , China, People's Rep. 479.

Migration,(continued)

Coleoptera succession, cattle dung 496.
Cynthia cardui, Bulgaria (People's Rep.) 8646.
Cynthia cardui, Denmark 3819.
Danaus plexippus 8644.
 effects on community composition, litter Arthropoda 2941.
 effects on sex ratios, *Colias lesbia* 641.
 environmental effects, *Hippodamia convergens* 1037.
 environmental factors, *Simulium damnosum* 5579.
 factors affecting direction, *Schistocerca gregaria* 3813.
 initiation, *Neivamyrmex nigrescens* 9498.
 Jordan, *Lindenia tetraphylla* / *Selysiothemis nigra* 8645.
 Lepidoptera immigrants, Hungary 2208.
Libythea labdaea, Nigeria 8647.
 marking and tracking techniques, book 726.
 metabolism lipids, *Danaus plexippus* 6810.
 methodology, Insecta 882.
Metoporphium dirhodum, Europe 6261.
Quercus quercus, British Isles Surrey 1992.
 remote sensing, *Spodoptera exempta* 6997.
Rhynchaenus fagi 9429.
 seasonal variations, streams, Philopotamidae larvae 3818.
Vanessa cardui, USA California 4707.
Mikadocantharis,
 new genus 764.
Milichia,
 new species, Ethiopian Region 7313.
Milichiidae,
 behaviour 1893.
 new species, Ethiopian Region 7313.
Miltotrogus,
 new species/new records, Afghanistan 4209.
Mimas tiliae,
 geographical distribution, Spain 1385.
Mimeoma,
 new species, Dominican Rep. 4205.
Mimesa,
 new species, Canada 103.
Mimestoloides,
 new species, Guadeloupe/Martinique 775.
Mimetidae,
 new species, Kenya 5070.
Mimetus,
 taxonomy 5070.
Mimicry,
 coloration, polymorphism, *Bombus* 3174.
Danaus chrysippus / *Hypolimnas misippus*, geographical
 variations 4087.
 evolution, Lepidoptera 3177.
Mimofulvius,
 new genus, India 812.
Mimomenyllus,
 new genus, Papua New Guinea 4195.
Mimorosenbergia,
 new genus, Papua New Guinea 4195.
Mindarus abietinus,
 pest resistance *Abies* 8628.
Minerals,
 potassium urate deposition, fat body, *Carausius morosus*
 9216.
Mines,
 see also **Plants**
Minettia,
 taxonomy 6600, 8173.
Minicia gomeræ,
 new subspecies, Canary Is. 5817.

Minosia,

taxonomy 20.

Miramella alpina,

chromosomes 4058.

Miramella sapporensis,

chromosomes 7145.

Miridae,

amino acids 6790.

appendages 8353.

chemical control 1164, 8749.

communities 9545.

development 1034.

diapause 9318.

ecology 4747.

host plants 7778, 8594.

life cycles/host plants 9395.

metabolism 3531.

new records, British Isles Isle of Wight 4985.

new records, USA New Mexico 4146.

new species, Brazil 4245, 5912.

new species, Ecuador/Brazil 5911.

new species, Ethiopian Region 83, 5138.

new species, India/USSR 812.

new species, Mexico 82.

new species, Nearctic Region 814.

new species, Panama 3363, 8219.

new species, Sri Lanka 8240.

new species, Turkey 5913.

new species/new records, America North 813.

new species/new records, Brazil 4246.

new species/new records, Canada 84, 815.

oviposition 2477.

parasitism 97, 6980, 7742.

pest resistance *Agropyron* 9633.

pest resistance *Gossypium hirsutum* 9485.

pesticide resistance 3611.

pests 1956, 3082, 3733, 3964, 5698.

population dynamics 4742.

taxonomy 8220, 8221, 9062.

taxonomy/phylogeny 811.

traps 2970.

zoogeography 5797, 6632.

Mirocastnia,

new species, Panama 5184.

Mischocyttarus,

nests biology 1273.

Mischocyttarus drewseni,

territorial behaviour/mating 358.

Misthodotes,

new species, fossils, Permian, USA 3295.

Misthodotidae,

new species, fossils, Permian, USA 3295.

Misumenops tricuspidatus,

life cycles/population dynamics 4648.

Mitosis,

see also **Cells**, **Chromosomes**

mechanisms/ultrastructure, Apidae 4050.

Mitosis recombination,

effects on mosaicism/gynandromorphism, *Musca domestica*
 2179.

Mniovelia,

new genus, New Zealand 5137.

Mochlozetidae,

new records, USSR 9.

Mocis,

immature stages 187.

- Mogannia minuta**,
predation, population density effects on 7033.
- Moisture**,
see **Humidity**
- Molanna**,
taxonomy 8295.
- Molannidae**,
taxonomy 8295.
- Molasses**,
effects on persistence methyl parathion, control *Heliothis virescens* 550.
- Molophilus**,
new species, Germany, Fed. Rep. 7312.
new species, Neotropical Region 1487.
taxonomy 9046.
- Molossilichus**,
new genus 5812.
- Molucca Is. Seram**,
new species Buprestidae 8115.
- Mompha subbistrigella**,
first record, Ireland 8013.
- Momphidae**,
new records, Ireland 8013.
- Monacis debilis**,
competition, *Crematogaster* 9551.
- Monapsidus**,
new genus, Uganda/Zimbabwe 7.
- Monarthropalpus buxi**,
Buxus host plants 5571.
- Mongolia, People's Rep.**,
check lists/new records, Dermestidae 8025.
check lists/new records Neuroptera 7394.
check lists/new records Trichoptera 5025.
check lists/new species Anthicidae 4184.
check lists/new species Eulophidae 1511.
check lists Oestridae/Hippoboscidae/Nycteribiidae 8030.
new records/new species Diapriidae 4265.
new records/new species Scelionidae 4275.
new species Braconidae 8246.
new species Chloropidae 5124.
new species Chrysomelidae 5846.
new species Heptageniidae 808, 5904.
new species Nemestrinidae 5127.
new species Parasitidae 1425.
- Mongoliulidae**,
new species/new records, Korea, Dem. People's Rep. 1536.
- Monochamus**,
new species, Kenya 8123.
- Monochamus alternatus**,
Acari phoresy 2829.
- Monodontomerus dentipes**,
natural enemies *Dasychira*, Pakistan Swat 3080.
- Monolepta**,
new species, Bagaman Is. 45.
- Monomorium**,
morphology/taxonomy/biology 2801.
- Monomorium pharaonis**,
control 2770.
- Mononychellus tanajoa**,
pest resistance *Manihot esculenta* 2897.
population levels, predation effects on 7002.
- Mononychus**,
new species, China, People's Rep. 8138.
- Monopelopia**,
arvae, seasonal variations abundance 6387.
- Monophadnoides**,
taxonomy 7366.
- Monophadnus**,
taxonomy 2413.
- Monopsyllus sciurorum**,
parasitism *Muscardinus avellanarius*, Belgium 8621.
- Monosoma pulverata**,
biology 6195.
- Monothyatra**,
taxonomy 7389.
- Montethiella humeralis**,
life cycles/immature stages 1896.
- Moravia**,
new species, fossils, Permian, USA 3295.
- Mordellidae**,
new species, USSR 1456.
taxonomy 788.
- Mordellistena**,
new species, USSR 1456.
taxonomy 788.
- Morella**,
taxonomy 8193.
- Morgea**,
new species, Corfu/Israel 8194.
- Morica**,
taxonomy 4218.
- Morocco**,
check lists/new species Araneae 760.
new species Acari 6540.
new species Apidae 6655.
new species Glossosomatidae 6704.
new species Histeridae 6579.
new species Hydroptilidae 7407.
new species Ichneumonidae 9081.
new species Leptophlebiidae 8206.
new species Linyphiidae 5822.
new species Pseudoscorpiones 6562.
new species Rhagionidae 1485.
new species Rutelidae 3321.
new species Scarabaeidae 789, 5863.
new species Trichoptera 3411.
new species/zoogeography Collembola 2344.
new subspecies *Stenobothrus stigmaticus* 142.
new subspecies *Zygaena excelsa* 5956, 8284.
revision/check lists *Gonioctena* 3313.
- Morphets**,
taxonomy/new species, USA 5185.
- Morphidae**,
predation 417.
taxonomy 5196.
- Morphites**,
taxonomy 5196.
- Morpho**,
coloration effects on predation 417.
- Morphocoris**,
taxonomy 6631.
- Morphogenesis**,
see **Development**
- Morphoides**,
taxonomy 5196.
- Morphology**,
abdomen, Diaspididae 8344.
abdomen, sex differentiation, *Pterotermes occidentis* /
Marginitermes hubbardi 2474.
abdomen coloration, variation, *Glossina caliginea* 5998.
aberrant *Satyrium acadica* 198.
aberrations, *Coleophora taeniipennella* 4335.

Morphology,(continued)

- aberrations, *Polistes versicolor* 9137.
 Acari 8324.
Acrotylus humbertianus 1565.
 adaptations, *Camponotus* / *Zacryptocerus varians* 9652.
 age determination, *Locusta migratoria* 2468.
Allygus 3739.
Alphitobius viator 3027.
Anopheles 2358.
 antennae, *Bombyx mori* gynandromorphs 3166.
 antennae, Pteromalidae 2494.
Apantia auricula / *Halesus rubricollis* / *Paroecetis struckii* 4337.
 Aphelinidae parasites Aphididae 8325.
Apis laboriosa 1504.
Asagena 8905.
Aturus 6725.
 autogeny biotypes, biometrics, *Culex pipiens* 9141.
Azygophleps albiovittata 2470.
 biometrics, *Apis mellifera*, Chad 9133.
 biometrics, Araneae 2471.
 biometrics, development, *Cloeon dipterum* 8487.
 biometrics, *Lymantria dispar* 907.
Brachyurothrips anomalus 6000.
 Bruchidae 5510.
Cassida 5551.
Chelethogenes ornatus 7431.
Chionanthobius 8140.
Chrysocarabus rutilans forms 2490.
Cnephasia 386.
Comperiella pia 100.
Cuspicona simplex / *Monteithiella humeralis* 1896.
 cuticle tanning/muscles attachments, Lepidoptera larvae 4333.
Drunella allegheniensis 9139.
 eggs *Micropteryx calthella* 1571.
Ephemerella berneri 8345.
Epiblema cynosbatella 3723.
Eriocampidea arizonensis 8256.
Eucalymnatus tessellatus 9070.
 Euplectini 1357.
Eurostus validus 2811.
 functional morphology, foraging behaviour, *Araneus trifolium* / *Argiope trifasciata* 6216.
 genitalia, Alydidae 201.
 genitalia, phylogeny, *Hypsauchenia subfusca* / *Leptobelus* 9144.
 genitalia Onthophagini 164.
 geographical variations, *Dolichovespula norwegica* 9140.
 geographical variations, *Pemphigus populicaulis* 4329.
Hoplopleura disgrega 2472.
Hydroporus fuscipennis / *Potamonectes assimilis* / *Scarodytes savinensis* 1369.
 Hyocephalidae/Stenocephalidae 9134.
 immature stages, *Hydroptila itoi* 1578.
 immature stages Calliphoridae/Sarcophagidae 191.
 immature stages *Polytocus costatus* 896.
Ischnura gemina 7799.
Kosciuscola / *Praxibulus* 180.
 larvae, *Asosylus rhyssodoides* / *Sosylus* 1568.
 leg. Apidae 1584.
 leg. phylogeny, Alticinae 652.
 Lepidoptera eggs, microscopy, methodology 875.
Leptagrion bocainense 1585.
Limnagonus recurvus 9377.
Lioplacis elliptica 888.
Lithobius melanops 2473.
Melipona queens 914.
Monomorium 2801.
 morphometry, head, *Kaloterme flavicollis* 2469.
 morphometry, host plants effects on, *Schistocerca gregaria* 5554.
 morphometry, ovary/size, seasonal variations, *Polistes metricus* 205.
 morphometry, selection, *Drosophila* 8884.
 morphometry *Lymantria dispar*, taxonomy 2489.
 morphometry wings, geographical variations/phenology, *Spodoptera exempta* 915.
Oulimnius rivularis 2320.
Parhelophilus females 2492.
Podapolipoides peruvensis 2838.
 polymorphism, *Acutalis tartarea* 5924.
 polymorphism, galls, *Pemphigus populitransversus* 8632.
 polymorphism, social organization, *Cephalotes atratus* 9650.
Polypedium nubifer 3347.
Polyrhaphis spinipennis 913.
Pristomerus vulnerator 1930.
Procris statice 136.
 Psyllidae 1084.
Raptobaetis orientalis larvae 2488.
Riazocoris nigra 1563.
 seasonal variations, *Hypogastrura socialis* 7432.
 seasonal variations, *Pararge aegeria* 1912.
 stridulatory apparatus, Alydidae 7539.
 stridulatory apparatus, *Odontotaenius zodiacus* 7538.
 taxonomy/phylogeny, Chironomidae larvae 902.
 taxonomy/phylogeny, Chironomidae pupae 901.
 temperature effects, *Aglaia urticae* 1588.
 Tenthredinidae 5989.
 terminology, Chironomidae 181.
 thorax, Hymenoptera 8348.
 thorax, *Leptinotarsa decemlineata* 5999.
Tomares ballus 200.
Triatoma, review 5483.
 variability, *Schizotetranychus celarius* 4330.
 variability *Parnassius cerisy* 9143.
 variation, ecology, *Lochmaea capreae* 8692.
Vespa luctuosa 578.
Xenopelopia 2223.
Morphometry,
 proboscis + plants, resource utilization, *Bombus* 453.
Mortality,
 environmental effects, Ephemeroptera, Coquet R., British Isles Northumberland 1280.
Eriocraniella 418.
 life cycles 9401.
 pathogens mortality factors Insecta populations 3825.
 radiation (γ) effects on, *Tribolium castaneum* 2731.
Morter obscurus,
 larvae, growth/survival, intraspecific interactions 1985.
Morulina triverrucosa,
 chromosomes 5877.
Moulting,
 aggregation behaviour, *Apateticus bracteatus* 2789.
 behaviour/physiology, Insecta, review 7577.
 n-butanol effects on, *Megoura viciae* 1045.
 food availability effects on, *Cicindela repanda* 3615.
 induction, *Oncopeltus fasciatus* 3679.
 inhibition, *Jonespellis splendidus* cerebral gland implants,
Dysdercus cingulatus 1725.
 moulting behaviour, *Ranatra linearis* 2689.
 neurosecretion axons activity, relationship hormones,
Rhodnius prolixus 2521.
 nuclear polyhedrosis virus effects on, *Pericallia ricini* 2647.

Moulting,(continued)

population density effects on, *Ornithodoros* 4740.

Mountains,

alpine environments, biomass/species composition/
abundance Arthropoda, Austria Obergrugl 1171.
habitats Trombiculidae, USSR Transcaucasus 1184.

Mouthparts,

anatomy, *Aphodius* 2568.

blood flow, *Trypanosoma* infection effects on, *Glossina*
2562.

chemoreceptors, *Choristoneura fumiferana* 1637.

Cheumatopsyche analis larvae 237.

Colletidae 1587.

development *Trypanosoma congolense*, *Glossina morsitans*
2988.

functional morphology, Dytiscidae larvae 1665.

functional morphology, Eriophyidae 1657.

glands, *Solenopsis invicta*, castes 272.

Gracillaria elongella larvae 470.

proboscis + plants morphometry, *Bombus* 453.

Raptobaeis orientalis larvae 2488.

sensilla, *Agabus bipustulatus* /*Hydrobius fuscipes* 4367.

Mozambique,

first record *Derovatellus bisignatus* 2319.

new species Avenzoariidae 7.

new species Eucinetidae 6577.

new species Lycenidae 7377.

Multitellidae,

secretion 4476.

Multioppia wilsoni,

first record, Egypt, Arab. Rep. 1421.

Musca,

chemical control/toxicity CGA 72662 6352.

taxonomy 6601.

Musca autumnalis,

abundance/distribution, USA Oklahoma 1168.

behavioural genetics, genetic control 4775.

biology/control, review 1193.

chemical control 3909, 5638, 9568.

food preferences, sugars 3756.

infection *Heterotylenchus autumnalis*, nutrition effects on
7551.

occurrence *Thelazia*, Canada Ontario 2049.

toxicity monensin 9282.

Musca domestica,

acetylcholinesterase activity/inhibition, assays 2446.

ageing fluorescence, linoleic acid 5388.

behavioural genetics 8859.

biological control 535.

biological control/parasitism 1119.

bionomics, apholate resistance 6114.

caffeine/ascorbic acid effects on pupariation 3652.

catechol oxidase 7506.

chemical control 1197, 2984, 3914, 5640, 8705.

chitin biosynthesis inhibition, insecticides 922.

classical conditioning, olfaction 2773.

DDT/pyrethroids effects on nerves 304.

diets effects on development/fecundity 9203.

ecdysones diets, development 4562.

eggs, RNA sequence complexity 1287.

eggs viability, diflubenzuron/penfluron effects on 1798.

excretion storage, ions 1714.

eye, photoreceptors identification, methodology 1549.

eye, rhodopsin 9177.

flavoprotein-linked monooxygenase induction, insecticides
960.

light, visual stimuli 4375.

flight activity, diel variations 6938.

flight muscle, age effects 8357.

glial cells, cell junctions 926.

gonotrophic cycles, juvenile hormones effects on 6880.

growth regulators 1801.

gustatory stimuli, methyl glycosides 8377.

host-parasite interactions, population dynamics, evolution
6281.

infection *Entomophthora muscae*, humidity effects on 7550.

insecticides resistance 7572.

juvenile hormones esterase, inhibitors 8400.

larvae, growth regulators effects on development 327.

locomotion, equipment 7458.

Malpighian tubules secretion 4396.

mating behaviour, geographical variations 6921.

mitosis recombination, effects on mosaicism/
gynandromorphism 2179.

monophenol monooxygenase, purification/characterization
259.

nerves, optic lobes, sex differences 4365.

nerves, quinuclidinyl benzilate binding 6012.

neurons, cell junctions 925.

nutrition effects on vitellogenesis 6133.

oogenesis 1847.

oogenesis-reabsorption 4561

oviposition deterrents, Lamiaceae plant extracts 8636.

parasitism/biological control 9580.

pest status, dairies, USA California 2041.

pesticide resistance, cytochrome P-450 296.

pesticide resistance, enzymes activity 242.

pesticide resistance, Germany, Fed.Rep. 1761.

pesticide resistance parathion, genes 1764.

pesticide resistance pyrethroids, central nervous system 293.

pheromones analogues 4462.

population density, longevity 9328.

population growth, *Macrocheles* predation effects on 1179.

reproduction, benzylphenols effects on 9330.

reproductive success, isolation, geographical variations 8883.

resistance diflubenzuron 7568.

sex pheromone glands, leg 3553.

sex pheromone response 1063.

toxicity, *Bacillus thuringiensis* exotoxins 301.

toxicity benzoylureas, structure-activity relationships 3604.

toxicity etrimfos 5374.

toxicity phthalates + organophosphates 1774.

toxicity sodium fluosilicate/fluoroacetamide, diflubenzuron
effects on 3598.

triphenyltin compounds effects on oogenesis 2718.

vectors *Chlamydia trachomatis* 8727.

vitellogenesis, nutrition effects on 6884.

Muscat and Oman,

new species Megachilidae 5175.

Muscidae,

ageing 5388.

attractants 5327.

behaviour 2775, 4375, 6921.

behavioural genetics 4775, 8859.

bioassays 212.

biological control 535.

biological control/parasitism 1119.

biology/control 1193.

bionomics 6114.

breeding sites 1102.

check lists, Uganda Toro Game Reserve 4136.

check lists/new species, USSR 6614.

chemical control 1197, 2984, 3017, 3909, 3914, 3985, 5638.

Muscidae,(continued)

5640, 6313, 8705, 8766, 9568.
 chemical control/toxicity CGA 72662 6352.
 chemosterilants 9330.
 cocoons 4618.
 cultural control/chemical control 9594.
 cuticle 4344.
 deterrents 8636.
 development 4562, 6146, 8532.
 development/reproduction 330.
 digestion 260, 7489.
 digestive systems 6783.
 ecological genetics 8883.
 ecology 2929, 2934.
 enzymes 259, 960, 3525, 4402, 7506, 8400.
 enzymes/pesticide resistance 2446.
 excretion 1714.
 excretory systems 4396.
 feeding 424, 2564, 3756, 5231.
 glands 3553.
 growth regulators 327, 1801, 2718, 6882.
 hormones 7494.
 host plants 4695.
 immature stages 1570.
 insecticides 3598.
 insecticides effects on 922.
 insecticides toxicity 300.
 learning 2773.
 locomotion 7458.
 medical importance, Switzerland 2985.
 muscles 8357.
 mutation 7966.
 nerves 925, 926, 4365.
 new records, German Dem.Rep. 5003.
 new species/revision/phylogeny, Nearctic Region 802.
 nucleic acids 1287.
 nutrition 9203.
 ovary 1784.
 oviposition 5459.
 parasitism/biological control 9580.
 parasitism/populations 6281.
 pathology 7550, 7551.
 pest resistance *Sorghum* 2890.
 pesticide resistance 242, 293, 296, 1761, 1764, 7572.
 pests 2041, 2783, 3212.
 pests, cattle 2025.
 pests, *Sorghum bicolor*, India Andhra Pradesh 3095.
 pharmacology 6012, 6090.
 pheromones 1063, 4448, 4462.
 populations 1168, 9328.
 predation 1179.
 pupariation 3652.
 recombination 2179.
 reproduction 1847, 4561, 5442, 5580, 6133, 6880, 6884.
 resistance diflubenzuron 7568.
 rhythms 6938.
 sense organs 1549, 9177.
 senses 8377.
 sex differences 4324.
 taxonomy 1468, 6601, 8193, 9049, 9050.
 toxicity, *Bacillus thuringiensis* 301.
 toxicity benzoylureas 3604.
 toxicity diflubenzuron 6105.
 toxicity etrimfos 5374.
 toxicity insecticides 304, 1798, 9293.
 toxicity monensin 9282.
 toxicity phthalates + organophosphates 1774.

vector-borne diseases 2049, 8727.

vectors 3023.

Muscidifurax raptor,

parasitism *Musca domestica* 1119, 9580.

Muscles,

abdomen, *Tabanus lineola* 6006.
 anatomy, *Solenopsis invicta* larvae 1591.
 caffeine/proctolin, *Leucophaea maderae* 4348.
 calcium channels, *Tenebrio molitor* 984.
 development, *Calliphora vomitoria* 4354.
 dieldrin uptake, *Schistocerca gregaria* 1765.
 electrical properties, *Carausius morosus* 1612.
 electrical properties, heart *Acheta domestica* 946.
 electrical properties, *Philanthus triangulum* venom effects on, *Schistocerca gregaria* 3465.
 electrical properties, *Schistocerca gregaria* 8355.
 electrical properties, temperature effects, *Drosophila* 7467.
 enzymes, *Periplaneta americana* 6007.
 flight, anatomy, *Anastrepha suspensa* 214.
 flight muscle, age effects, *Musca domestica* 8357.
 flight muscle, denervation effects on, *Locusta migratoria* 3463.
 flight muscle, electrical properties, *Drosophila melanogaster* 4352.
 flight muscle, electrical properties, *Locusta migratoria* 5255.
 flight muscle, enzymes, *Locusta migratoria* 6042.
 flight muscle, innervation, *Drosophila melanogaster* 7475.
 flight muscle, membrane potential, *Drosophila* 7456.
 flight muscle, metabolism, cyclic nucleotides, *Locusta migratoria* 4416.
 flight muscle, metabolism, flight, *Locusta migratoria* 965.
 flight muscle, proline/pyruvate metabolism, *Leptinotarsa decemlineata* 1682.
 flight muscle, rearing damage, *Ceratitidis capitata* 9334.
 flight muscle, role aerodynamic properties wings, *Locusta migratoria* 9159.
 flight muscle, ultrastructure 213.
 flight muscle activity, temperature effects on, *Drosophila melanogaster* 3464.
 flight muscle degeneration, inhibition, precocene, *Dendroctonus rufipennis* 1817.
 flight muscle degeneration, ultrastructure, *Megoura viciae* 4351.
 flight muscle innervation, *Caligo beltrao* 6761.
 flight muscle ultrastructure, *Aeshna mixta* /*Anax imperator* 7457.
 flight muscles mitochondria, ultrastructure/development/biochemistry, Insecta 4341.
 flight muscles phospholipids, *Acheta domestica* 253.
 flight muscles/skeleton, tensile properties, *Apis mellifera* 2509.
 genitalia, *Aedes aegypti* 6743.
 glutamates receptors, electrical properties, Acrididae 9160.
 head, *Belostoma indicum* 1589.
 head movements, *Calliphora* 1644.
 innervation, *Boophilus microplus* 8365.
 lactate dehydrogenase, anoxia effects on, *Manduca sexta* 5256.
 leg, innervation, *Schistocerca* 7461.
 leg implantation, *Periplaneta americana* 8510.
 membrane potential, octopamine/proctolin effects on, *Lucilia* larvae 923.
 membranes, ions channels, Acrididae 2510.
 membranes electrical properties/ultrastructure, Insecta, review 6754.
 metabolism, pupae *Calliphora vomitoria* 2695.
 metamorphosis, hormones regulation, *Calliphora*

Muscles,(continued)

erythrocephala 9349.
mouthparts, Odonata 3466.
neuromuscular junctions, L-glutamate, *Tenebrio molitor* 4360.
neuromuscular junctions, *Schistocerca gregaria* 5258.
neuromuscular junctions, toxicology *Philanthus triangulum*, *Schistocerca gregaria* 4353.
preparation, methodology, *Acheta domestica* 2459.
prothorax, phylogeny, Coleoptera 3182.
response γ -aminobutyric acid, *Schistocerca gregaria* 9161.
skeletal muscle, *Epicauta segmenta*, book 6539.
skeletal muscle, ultrastructure, Insecta 2516.
thorax, *Oryctes rhinoceros* 4355.
tympanum, innervation, sexual dimorphism, *Magicicada septendecim* 3476.
viscera, pharmacology, Insecta, review 2511.
wings muscle mutants, *Drosophila* 9686.

Mutagenesis,

oleomycin, *Drosophila melanogaster* 3646.
7,12-dimethylbenz(a)anthracene, *Drosophila melanogaster* 4068.
Drosophila 1038.
Drosophila, radiation (X) 334.
hyperthermia/radiation (X) effects on mutagens sensitive mutant, *Drosophila melanogaster* 1048.
magnetic fields, *Drosophila melanogaster* 3644.
mutagenicity testing, deletion mutant, *Drosophila* 4064.
nitrosamines, *Drosophila melanogaster* 4061.
radiation (γ)/ethyl methanesulphonate, *Drosophila melanogaster* 2707.
radiation (X)/methyl nitrosourea, *Drosophila melanogaster*, sex differences 1030.

Mutation,

acetylcholinesterase temperature-sensitive mutant, phototaxis, *Drosophila melanogaster* 8852.
alcohol dehydrogenase deficient mutant, *Drosophila* 2157.
 α -amanitin resistant mutant, characterization, *Drosophila melanogaster* 3151.
apterous mutant, juvenile hormones, *Drosophila melanogaster* 4916.
bare mutant, modifier gene, *Drosophila subobscura* 6398.
bithoraxoid mutant, *Drosophila melanogaster* 8839.
black cells mutant, monophenol monooxygenase activity, *Drosophila melanogaster* 1326.
bleomycin mutagenesis, *Drosophila melanogaster* 6427.
bobbed gene lethal mutant, RNA gene, gene amplification, *Drosophila melanogaster* 4868.
brown mutants, behavioural genetics, *Drosophila melanogaster* 6432.
cells lethal mutants, developmental genetics, *Drosophila*, review 1328.
central nervous system defective mutant/gene mapping, *Drosophila melanogaster* 4917.
charcoal mutant/ebony mutant/wide-wing mutant, gene mapping/sex linkage, *Culex tarsalis* 631.
choline acetyltransferase, *Drosophila melanogaster* 1325.
chromosome aberrations, geographical distribution, India, *Anopheles stephensi* 9710.
cold paralysis mutants, *Drosophila melanogaster* 1322.
colour mutants, *Leptinotarsa decemlineata* 6433.
cuticle lipids, *Drosophila melanogaster* mutants 6749.
cytogenetics/genetics red eye mutant, *Aedes sierrensis* 1285.
diamond palpus mutant, genes, *Anopheles stephensi* 8843.
DNA polymerase α , *Drosophila melanogaster* 4918.
DNA repair defective mutant, *Drosophila melanogaster* 7963.
DNA repair deficient mutant, chromosomes loss, *Drosophila* 6431.
DNA repair deficient mutant, *Drosophila melanogaster* 8844.
DNA repair mei-9 gene deficient mutant, *Drosophila melanogaster* 4922.
DNA repair mutants, chromosomes loss, hyperthermia effects on 9666.
dumpy mutant, pyrimidines biosynthesis, *Drosophila melanogaster* 1331.
dumpy mutant, radiation (X), mutagenesis, *Drosophila melanogaster* 4928.
ebony mutant, behavioural genetics, locomotor activity/mating, *Drosophila melanogaster* 7974.
20-hydroxyecdysone effects on metamorphosis, mutants, *Drosophila melanogaster* 3653.
embryology *Drosophila melanogaster* 624.
environmental factors, mutagenesis, *Drosophila melanogaster* 5416.
eye colour mutant, *Ceratitis capitata* 7968.
eye-colour mutant, *Culex tarsalis* 1323.
eye colour mutants, *Anopheles stephensi* 3152.
eye colour mutants, *Lucilia cuprina* 4919.
eye colour mutants, pteridines, *Lucilia cuprina* 961.
eye colour mutants, white gene, *Drosophila melanogaster* 3154.
eye pigmentation mutants, *Culex tritaeniorhynchus* 8840.
female-sterile mutant, fertility males, *Drosophila melanogaster* 6426.
flimsy cocoon mutant, *Bombyx mori* 5741.
5-fluorouracil resistant mutant, *Drosophila melanogaster* 4935.
fluphenazine, mutagenesis, *Drosophila melanogaster* 6428.
free arm mutant, *Drosophila melanogaster* 8834.
genes linkage, *Apis mellifera* 4929.
glycerol-3-phosphate dehydrogenase (NAD⁺) deficient mutant, *Drosophila melanogaster* 2158.
grandchildless mutant, *Drosophila melanogaster* 8842, 8847.
gust-A gene mutants, *Drosophila melanogaster* 8846.
heterochromatin mutants, *Chironomus nudatarsis* 4926, 4927.
homeotic mutant, development, *Drosophila melanogaster* 8833.
homoeotic mutant, imaginal discs aldehyde oxidase patterns, *Drosophila melanogaster* 7938.
homoeotic mutant, thorax, *Drosophila* 7962.
Horned gena mutant, *Tribolium confusum* 9689.
Kiuki mutant, *Bombyx mori* 9692.
kynurenine deficient mutant, ganglia electrical properties, *Apis mellifera* 9691.
l(3)gl mutants, development brain/imaginal discs, *Drosophila hydei* 9345.
lethal mutant, imaginal discs, *Drosophila melanogaster* 8490.
lethal mutants, males specific, *Drosophila melanogaster* 4924.
lozenge mutant viability, effects on population dynamics, *Drosophila melanogaster* 1341.
maternal effect mutant, pole cells isolation, methodology, *Drosophila melanogaster* 880.
meiotic mutant, chromosomes pairing, *Drosophila melanogaster* 8836.
melanism, *Tribolium confusum* 7964.
mutagenesis, alkylureas + nitrogen dioxide, *Drosophila*

Mutation,(continued)

- melanogaster 6429.
 mutagenesis, benomyl, *Drosophila melanogaster* 4549.
 mutagenesis, 1,2-dibromoethane, *Drosophila melanogaster* 8853.
 mutagenesis, *Drosophila melanogaster* 4925.
 mutagenesis, radiation X, *Delia antiqua* 8841.
 mutagenesis hycanthone, *Drosophila* 8849.
 mutagenesis mercuric chloride, *Spathosternum prasiniferum* 8835.
 mutagenesis radiation (X), *Drosophila melanogaster* 8838.
 mutagenesis trimorfamide, *Drosophila melanogaster* 8469.
 mutagenicity testing, *Drosophila melanogaster* 8319.
 mutagens, *Drosophila melanogaster* 3632.
 mutagens sensitive mutant, *Drosophila melanogaster* 7154.
 mutagens sensitivity mutants, *Drosophila melanogaster* 7960.
 mutants, *Anopheles stephensi* larvae 9688.
 mutants, *Danaus plexippus* 5744.
 mutants, gene mapping, *Stomoxys calcitrans* 7966.
 mutants/gene mapping, X chromosome, *Drosophila melanogaster* 625.
 mutants linkage, lethal chromosomes effects on, *Drosophila melanogaster* 629.
 Nasobemia mutant, heritability/timing, *Drosophila* 9317.
 neopterin isolation, *Drosophila melanogaster* 1327.
 nitrogen metabolism, mutants, larvae 2589.
 non-moulting mutants, linkage analysis, *Bombyx mori* 2160.
 Notch mutant/Abruptex mutant, cells lethality, *Drosophila melanogaster* 623.
 oocytes mutants, interaction rRNA genes, *Drosophila melanogaster* 4060.
 paired mutant, embryogenesis, *Drosophila* 4062.
 photoreceptors mutants, mate selection, *Drosophila melanogaster* 2176.
 platinum, mutagenesis *Drosophila melanogaster* 5743.
 pteridine pigments, *Bombyx mori* mutants 6062.
 pts gene, frequency dependent selection, *Drosophila melanogaster* 2129.
 pupae mutants, gene mapping, *Bombyx mori* 7936.
 purple-eye gene expression, *Pectinophora gossypiella* 4920.
 pyridoxal oxidase, *Drosophila melanogaster* 4071.
 radiation (γ), *Drosophila melanogaster* 5740.
 radiation (X) mutagenesis, butylated hydroxytoluene effects on, *Drosophila melanogaster* 4551.
 radiation induction, *Lucilia cuprina* 8851.
 rates, allozymes, *Drosophila melanogaster* 630.
 rates, eye colour genes, *Apis mellifera* 2161.
 rates, haploidy-diploidy sex ratios, *Apanteles* 4089.
 rates, mutagens sensitive mutant, *Drosophila melanogaster* 4069.
 red back mutant, *Melanoplus sanguinipes* 6425.
 reduced-eye mutant, *Melanoplus sanguinipes* 6424.
 rose eye mutant, *Culex quinquefasciatus* 627.
 rudimental mutant, *Drosophila melanogaster* 6422.
 rudimentary mutants, cell death, wings imaginal discs, *Drosophila melanogaster* 9316.
 segments/polarity mutants, *Drosophila melanogaster* 3153.
 sex-lethal gene interaction daughterless gene, *Drosophila melanogaster* 8848.
 sex linkage lethal, hybrid dysgenesis, *Drosophila melanogaster* 6423.
 sex ratio mutants, spermatogenesis, *Drosophila simulans* 7970.
 short-wing mutant, gene mapping, *Aedes aegypti* 597.
 singed mutant/club wing mutant, position effects/stability, *Drosophila melanogaster* 2159.
 split-sting mutant, *Apis mellifera* 6430.
 spontaneous, *Drosophila melanogaster*, review 4067.
 sterile mutant, *Drosophila melanogaster* 9687.
 synapsis mutants, polytene chromosomes, *Drosophila melanogaster* 8817.
 temperature-sensitive mutant, developmental genetics, *Drosophila melanogaster* 5739.
 temperature-sensitive mutant, imaginal discs, developmental genetics, *Drosophila melanogaster* 1040.
 temperature-sensitive mutant, nerves conduction, tetrodotoxin effects on, *Drosophila melanogaster* 4063.
 temperature-sensitive mutant, recombination, *Drosophila melanogaster* 4930.
 temperature-sensitive mutant, temperature effects on flight muscle activity, *Drosophila melanogaster* 3464.
 temperature-sensitive mutants, Abruptex gene, *Drosophila melanogaster* 7969.
 temperature-sensitive mutants, imaginal discs protein biosynthesis, *Drosophila melanogaster* 7156.
 torpid mutant, *Drosophila melanogaster* 8854.
 trp mutant, retina pigments, light adaptations, *Drosophila melanogaster* 8837.
 tryptophan 2,3-dioxygenase deficient mutant, behavioural genetics, *Apis mellifera* 9690.
 tryptophan mutants, learning, *Apis mellifera*, behavioural genetics 3162.
 tu-Sz^{ts} mutants, tumours, *Drosophila melanogaster* 9209.
 β -tubulin subunits mutants, gene mapping, *Drosophila melanogaster* 1302.
 tumorous-head mutant, maternal effects, *Drosophila melanogaster* 1324.
 Ultrabithorax-like mutant, *Drosophila melanogaster* 7155.
 ultrabithorax mutant, developmental genetics, *Drosophila* 7967.
 umber mutant/brick mutant, behavioural genetics, *Apis mellifera* 4939.
 vestigial gene mutants, floxuridine/aminopterin resistance, *Drosophila melanogaster* 6434.
 vestigial mutant, imaginal discs, *Drosophila melanogaster* 8494.
 viability mutants, fitness, *Drosophila melanogaster* 648.
 Vs gene eye mutants, *Anopheles culicifacies* 8845.
 weird mutant, *Tribolium castaneum* eggs 628.
 white-eye mutant, *Aedes togoi* 5742.
 white pupae mutant, *Ceratitis capitata* 7961.
 wings muscle mutants, *Drosophila* 9686.
 yellow gene mutants, behavioural genetics, *Drosophila melanogaster* 4944.
 zeste gene/white gene, hybrid dysgenesis, *Drosophila melanogaster* 2162.
- Mutillidae**,
 new species, Afghanistan 3378, 5177.
 new species, Palaearctic Region 9082.
 taxonomy 4272, 5938.
- Mutualism**,
 actinomycetes colonization *Cubitermes severus* midgut 5540.
 Aphididae, symbiotic behaviour, Formicidae 8611.
 bacteria, gut, *Rhizopertha dominica* 5542.
 behaviour coordination, *Symydobius oblongus* /*Formica lugubris* 4662.
Blattabacterium symbiosis *Cryptocercus relictus* 5538.
 Empididae/Chironomidae-Trichoptera 8657.
Formica rufa -*Periphyllus testudinaceus* 6282.
 Formicidae-Barberiella formicoides 8594.
 Formicidae symbiosis epiphytes 4705.
 Formicidae symbiosis *Glaucompsyche lydamus* 7730.
 fungi-Myriapoda foregut 8610.

Mutualism,(continued)

- fungi symbiosis *Xyleborus sayi* 5507.
 gut microflora, *Eublaberus posticus* 8393.
 inquilineism, *Ptomophagus californicus* -*Formica haemorrhoidalis* nests 9448.
 microflora, nutrition, *Rhagoletis completa* 7495.
 myrmecophily, *Iridomyrmex anceps* /*Jalmenus evagoras* 6712.
Parapygmephorus costaricanus /*Agapostemon nasutus* 4161.
 phoresy, Acari-Coleoptera 7430.
 phoresy, Chironomidae-*Corydalis cornutus* 9447.
 phoresy, *Nanocladius rectinervis* -*Nigronia serricornis* 7731.
 protozoa, gut enzymes, Isoptera 6036.
 protozoa symbionts, digestive systems, *Cryptocerus punctulatus* 8609.
Ptychadena anchietae effects on food availability, *Chironomus imicola* /*Dasyhelea thompsoni* 8672.
 Scarabaeidae-*Bradypus tridactylus* 7295.
 symbiosis, fungi-*Microtermes* 7729.
 symbiosis, *Oliarus vicarius* -Formicidae 7822.
 ermitophily, mimicry, cuticle hydrocarbons, *Trichopsenius frosti* 5539.
Unionicola formosa symbiosis *Anodonta imbecilis*, host selection behaviour 7728.
 viruses-*Campoletis sonorensis*, parasitism *Heliothis virescens* 6235.
 reasts-*Drosophila* 9506.
Myas,
 taxonomy/zoogeography 8120.
Mycetophilidae,
 check lists, Germany, Fed. Rep. Allgau 8029.
 check lists/new records, France 1372.
 eggs 7433.
 immature stages 5244.
 Malpighian tubules 1667.
 new records, Poland 2224.
 new species, Austria/Germany, Fed. Rep. 5126.
 new species, Ecuador 1481.
 new species, France/Italy 3354.
 new species, Germany, Fed. Rep. 9051.
 pollination *Listera cordata* /*Scolioptus bigelovii* 452.
 ehns 4373.
 axonomy 7314.
Aycetoporus,
 eys/new species, Madeira 5114.
Aycetoporus ambiguus,
 rst record, German Dem. Rep. Thuringia 1364, 2215.
Aycodiplosis,
 permatozoa 6120.
Aycodrosophila,
 ew species, Australia 1478.
Aycodrosophila separata,
 ew records, Australia 1478.
Aycomya,
 ew species, France/Italy 3354.
Aycophila barnesi,
 est status, mushrooms, Australia 2096.
Aycoplasma-like organisms,
 ansmission, *Myndus crudus* 3090.
Aycoplasmas,
 ecline, vectors, *Myndus crudus* 9495.
torus alba, vectors, *Hishimonus sellatus* 5317, 5563.
ea mays, transmission Cicadellidae 3975.
Aycoplasmatales,
 athogenicity, Athropoda 281.
Ayodpholeus,
 ew species, USA 8969.
Mygalopsis,
 stridulation, role spatial distribution 3702.
Myianoetus,
 new species, Australia/Fiji 6544.
Myiopus,
 new genus, Panama 8219.
Mylabris,
 chromosomes 3142.
 new records, Sri Lanka 2326.
Mylabris indica,
 water balance 8403.
Myllocerus fumosus,
 chromosomes 9677.
Myllocerus maculosus,
 reproductive systems 3619.
Mylothris,
 new species, Ghana 3402.
Myrmaridae,
 biological control 5704.
 natural enemies *Sextius virescens* 1094.
 new species, Norway 2409.
Myndus crudus,
 chemical control/transmission mycoplasma-like organisms 3090.
 vectors, decline 9495.
Myobiidae,
 new species, Australasian Region/Brazil 758.
 taxonomy 5804.
Myocastorobia,
 phylogeny 756.
Myocoptes ondatrae,
 first record, USA 7219.
Myogryllus,
 spermatozoa, ultrastructure 1786.
Myolepta,
 taxonomy 9053.
Myophthiria,
 revision 6613.
Myriacanthepestes,
 new genus, British Isles, fossils 4308.
Myriapoda,
 digestive systems 8610.
Myriochile,
 taxonomy 6518.
Myrmarachne,
 new species, Bolivia 8107.
 new species, India 4166.
Myrmechixenus,
 taxonomy 2476.
Myrmecia,
 life cycles, longevity 9415.
 phylogeny 1575.
 stings, anatomy 6748.
Myrmecina cacabau,
 new records, Fiji 6484.
Myrmecocystus,
 foraging behaviour/predation 9500.
 predation 3860.
Myrmecocystus mexicanus,
 reproductive behaviour/brood rearing 1864.
Myrmekiaphila fluvialtilus,
 embryology 8506.
Myrmeleontidae,
 check lists, Mongolia, People's Rep. 7394.
 competition 1985.
 new records, Germany, Fed. Rep. Rheinland 4132.
 taxonomy 7395.

- Myrmeleotettix maculatus*, chromosomes 607.
- Myrmica**,
distribution, environmental effects 1875.
Dufour's gland secretion 7528.
foraging behaviour/social behaviour 2769.
larvae, overwintering, castes 9421.
mandibular glands secretion 9250.
population structure/reproductive strategy 9651.
spatial distribution, nests, environmental factors 6306.
- Myrmica americana**,
estimation population density, sampling 481.
- Myrmica rubra**,
foraging behaviour, social behaviour, communication 6178.
nesting behaviour/social behaviour 9653.
population structure, brood rearing 5720.
- Myrmosa**,
taxonomy 5939.
- Myrmosidae**,
taxonomy 5939.
- Myrsidea**,
new species, New Britain 4282.
new species, Trinidad 8285.
- Myrsidea iliaci**,
first record, Spain 1524.
- Mystacagenia**,
new species, Panama 4273.
- Mythimna separata**,
antifeedants, *Sorghum bicolor* 2885.
cell culture 4338.
larvae, predation 2915.
pathology nuclear polyhedrosis virus 9271.
pest resistance *Triticum* 455.
- Myzakkia**,
taxonomy 2387.
- Myzocallis castanicola**,
first record, Chile 1496.
- Myzus**,
taxonomy 2387.
- Myzus persicae**,
abundance, geographical variations/seasonal variations 5600.
biological control 5709.
biotypes characterization 2594.
chemical control 538, 3959, 5680.
control/vectors maize dwarf mosaic virus 9473.
cultural control 9597.
deterrents, fatty acids 7521.
diets effects on esterase 6799.
dispersal, phenology, South Africa Transvaal 394.
eggs, esterase 9348.
enzyme polymorphism 8871.
fecundity/weight relationship, mathematical models 5623.
food effects on development 236.
host plants, *Eruca vesicaria* 473.
integrated control, role alarm pheromone 568.
life cycles/development, host plants 9384.
metamorphosis, precocene analogues effects on 8529.
natural enemies, pollution effects 5671.
pathogenicity *Verticillium fusisporum* 3580.
pest resistance *Nicotiana tabacum* 9492.
pest resistance *Solanum berthaultii* 4681.
pest status, *Solanum tuberosum* 5675, 5701.
pesticide resistance, insecticides toxicity 2664.
photoperiod effects on weight/larviposition 6154.
population development, growth regulators effects on 6141.
predation 4616.
sampling, distribution 878.
sex determination, kinoprene effects on 3648.
sex determination, photoperiod 4579.
sex determination, photoperiod effects on 7629.
sterilization, virazole 7617.
transmission beet mild yellowing virus/beet yellows virus 1268.
transmission potato leaf roll virus 6260.
transmission potato spindle tuber viroid 1234.
transmission turnip mosaic virus 1952.
vectors, soybean mosaic virus 6986.
vectors potyvirus 9469.
- Myzus varians**,
first record, German Dem. Rep. 6510.
- Nabidae**,
behaviour 9430.
natural enemies *Acyrtosiphon kondoi* 3892.
pests 1956.
populations 2971.
predation 6221.
- Nabis**,
flight, altitude/seasonal variations 9430.
spatial distribution, *Gossypium hirsutum* 2971.
- Nabis fesus**,
abundance, *Fragaria* crop fields, Sweden 1956.
- Nabis mauricus**,
predation *Acyrtosiphon kondoi*, New Zealand 3892.
- Nabisetius**,
new species, Israel 8101.
- Nacerdos melanura**,
records/geographical distribution, Canada Newfoundland 3248.
- Nadleria**,
new genus, Brazil 2442.
taxonomy 5966.
- Nala lividipes**,
abundance, chemical control effects on 8653.
population dynamics 4750.
- Nalepellidae**,
pests 9590.
- Namibia**,
new species Sicariidae 4171.
- Nanacarus**,
new species, Hungary 8103.
- Nanocladus rectinervis**,
phoresy *Nigronia serricornis* 7731.
- Nanorchestes antarcticus**,
new records, South Orkneys 4977.
- Naranga aeneszens**,
sex pheromone 978.
- Narnia wilsoni**,
association *Ferocactus gracilis* 4698.
- Nasiaschna pentacantha**,
first record, USA Kentucky 8942.
- Nasonia vitripennis**,
courtship, pheromones 6918.
host-parasite interactions, population dynamics, evolution 6281.
parasitism *Musca domestica* 1119.
sound production role, courtship 1863.
- Nasonovia**,
new species, USA 2385.
taxonomy 88.
- Nastus**,
new species, USSR 5852.

- Nasutitermes*,
nutrient sources nitrogen 3504.
- Nasutitermes costalis*,
foraging behaviour/recruitment, pheromones 9644.
nest building, social organization 9646.
- Nasutitermes dixonii*,
termitophily *Leaiopria* 1507.
- Nasutitermes exitiosus*,
 β -D-glucosidase, gut 6036.
gut, redox properties 5291.
- Nasutitermes nigricipes*,
survival/feeding, rearing containers effects on 1816.
- Nathriobrium*,
new genus, USA 8126.
- Natural enemies,**
Acari, *Solidago altissima*, Japan 2949.
Acyrtosiphon, New Zealand 3972.
Acyrtosiphon kondoi, New Zealand 3892.
Agilus bilineatus 3718.
Alenophalera bronneomixia 4652.
Aleyrodidae 6310.
Alichtensia orientalis, Argentina 1093.
Anticarsia gemmatilis / *Plusia*, Brazil 2002.
Apanteles, China, People's Rep. 1908.
Aphididae 1983.
Aphididae, India Sikkim/Manipur 2241.
Aphididae, pollution effects insecticides 6345.
biological control *Spodoptera frugiperda* 8742.
Boarmia selenaria, Israel 4746.
Callosobruchus analis 2819.
Cephalcia lariciphila, British Isles 3993.
Chalcidoidea, nontarget organisms 9601.
Chelonus / *Pristomerus hawaiiensis*, USA 8613.
Chilo partellus 1996.
Cicadellidae/Delphacidae, review 7047.
Colomerus novaehbridensis / *Eriophyes guerreronis* 7899.
coloration effects on predation, *Morpho* 417.
community structure, *Ips paraconfusus* 8693.
Cryptococcus fagi, France 5599.
Culex fatigans 7691.
Diabrotica longicornis 6285.
effects on population dynamics *Rhinocyllus conicus* 5603.
Exochomus predation *Pineus pini*, Kenya 2950.
Heliothis, Australia New South Wales 501.
Hylesia, Brazil 395.
Cerya seychellarum 485.
integrated control *Schizaphis graminum* / nontarget
organisms insecticides 635.
Cerria lacca, India 2966.
Eucoma salicis, USA Maine 7818.
Eucoma wiltshirei 7832.
Leiriomyza sativae, USA California 7894.
Leptophorix camelina, USSR Transural 3887.
Lymantaria dispar, Iran 433.
Lymantaria dispar, Morocco 5591.
Lahanarva posticata, Brazil 3871.
Malacosoma disstria, USA Minnesota 1928.
Malus / *Macrolabis*, galls, *Dasineura mali* 2804.
Monodontomerus dentipes parasitism *Dasychira*, Pakistan
Swat 3080.
mortality factors *Delia brassicae* pupae 2945.
Ormiscodes rufosignata 5691.
Psistrinia furnacalis, Philippines 399.
parasites/pathogens *Anticarsia gemmatilis*, Brazil 3068.
Pentatomidae 1906.
Phenacoccus manihoti 7011.
- Plutella xylostella* 1116.
population dynamics, chemical control *Heliothis* effects on,
Gossypium crop fields 1164.
population dynamics, *Thomasiniana oleisuga*, Jordan 5601.
role biological control pests, review 2081.
Sextius virescens, Australia Acacia 1094.
Sitona humeralis, New Zealand 3745.
Tetranychus urticae / *Panonychus ulmi*, insecticides effects
on 549.
Trialeurodes vaporariorum 2817.
Trioza erythrae, Reunion I. 3031.
Typhlocybiniae 430.
Zonocerus variegatus, Nigeria 5514.
- Nauphoeta**,
salivary glands, acinar cells electrical properties 1716.
- Nauphoeta cinerea**,
courtship 1068.
cuticle waxes, pheromones response 3694.
fat body histochemistry, reproduction 6804.
 α -flupenthixol, inhibition dopamine-induced secretion,
salivary gland 2626.
metabolism, fat body/ovary 2593.
salivary gland, neurotransmitters 7462.
salivary glands, dopamine effects on role calcium transport
1713.
tissues, carbofuran effects on 9276.
ventilation, environmental factors 5282.
- Neacoryphus bicrucis**,
resource partitioning, *Senecio smallii* 9545.
- Neanuridae**,
chromosomes 6417.
new species, South Shetland Is. 7305.
new species/new records, Korea, Rep. 5877.
- Neaphaenops**,
taxonomy/phylogeny 766.
- Neaphaenops tellkampfi**,
new subspecies, USA 766.
- Nearctic Region**,
bibliography Sesiidae 3989.
biology/ecology/geographical distribution *Propylea*
quatuoordecimpunctata 7221.
biology/ecology/geographical distribution *Picromerus bidens*
7224.
Diptera zooplankton, community composition/geographical
distribution 2247.
first record, Cecidomyiidae parasitism 8179.
first record *Apion curtirostre* 8064.
first record *Loricula pselaphiformis* 6524.
first record *Stenolechia bathrodyas* 5036.
geographical distribution *Leptinus americanus* 9414.
geographical distribution *Stelidota geminata* 2250.
Hymenoptera, book 6532.
keys/new species Scelionidae 6666.
new records Sciomyzidae 8195.
new species, Tachinidae 5132.
new species Agromyzidae 9033.
new species Aphididae 5916.
new species Carabidae 8120.
new species Chrysopidae 6685.
new species Damidae 5801.
new species Dryomyzidae 8189.
new species Eulophidae 5928.
new species Miridae 814.
new species Mycetophilidae 7314.
new species/new records Elipsocidae 7404.
new species/new records Scutacaridae 5057.
new species/revision/phylogeny Muscidae 802.

Nearctic Region, (continued)

- new species/revision Scelionidae 842.
 new species Staphylinidae 9026.
 new species Tenthredinidae 8255.
 pest status *Hoplocampa testudinea* 2248.
 revision *Acalymma* 6568.
 revision Alysini 6657.
 revision *Andrena* 6652.
 revision Araneidae 1430.
 revision *Chromatomyia* 2352.
 revision *Exomalopsis* 6653.
 revision Idiocerini 5918.
 revision Machilidae 5968.
 revision *Macrophya* 6670.
 revision *Nebria* 767.
 revision *Nodocion* / *Litopyllus* / *Synphosus* 3280.
 revision *Notiphila* 4234.
 revision *Onthophilus* 3318.
 revision *Spirembolus* 23.
Taeniopteryx larvae 195.
 zoogeography Gerridae 7994.
 zoogeography Psylloidea 1358.
***Nearctopsylla*,**
 new species, USA 7405.
***Nebo hierochonticus*,**
 temperature preferences 6952.
***Nebria*,**
 new species, USA 767.
***Nebria brevicollis*,**
 predation *Delia brassicae* pupae 2945.
***Nebria nivalis*,**
 first record, British Isles England 6468.
***Nectopsyche exquisita*,**
 phoresy Chironomidae 3120.
***Negastrius tumescens*,**
 life cycles 6184.
***Neivamyrmex*,**
 flight periodicity 1105.
***Neivamyrmex nigrescens*,**
 dispersal, grasslands 3737.
 food availability effects on dispersal 3812.
 migration, initiation 9498.
 predatory behaviour 3877.
 recruitment pheromones/behaviour 2102.
***Nemasomatidae*,**
 new species, USA 1537, 1538.
***Nematoda*,**
Agameris, infection *Lymantria dispar*, Italy 3083.
 biological control Insecta, review 4804.
Bispiculum infection, *Platypus* 1739.
Brugia, resistance, genes, *Aedes scutellaris* 8882.
Brugia malayi, development, Culicidae 3912.
Brugia malayi transmission, Culicidae 1664.
Chandlerella chitwoodae development/transmission, Culicoides 2072.
Dipetalonema rugosicauda, infection/transmission, *Ixodes ricinus* 2036.
Diplotriana tricuspsis, immune response (cell mediated), Acrididae 2639.
Dirofilaria immitis, effects on fecundity, *Aedes trivittatus* 7546.
Dirofilaria immitis, susceptibility, genes, *Aedes aegypti* 5728.
Dirofilaria immitis, transmission, *Aedes vexans* 3003.
Dirofilaria immitis, vectors, *Aedes sollicitans* 5644.
Dirofilaria ursi, transmission, Simuliidae 4800.
Filipjevimeris leipsandra control *Diabrotica balteata* 1264.
Heterorhabditis bacteriophora, + *Xenorhabdus luminescens*, pathology *Schizura concinna* 283.
Heterorhabditis bacteriophora + *Xenorhabdus luminescens*, pathology *Galleria mellonella* 284.
Heterotylenchus autumnalis infection, nutrition, *Musca autumnalis* 7551.
Hydromermis mermitides, infection, *Aedes*, USSR Kazakhstan 4487.
Limnomermis rosea, effects on antennae, intersexes, *Chironomus* 9153.
Mansonella ozzardi, transmission, *Culicoides phlebotomus* 7070.
Mansonella ozzardi transmission, *Simulium* 9584.
 Mermithidae, infection *Simulium damnosum* 2655.
Neoalectana carpocapsae, susceptibility, age effects, *Simulium vittatum* 7552.
Neoalectana felliae, biological control *Oemona hirta* 8757.
Onchocerca cervicalis, mixed infection bluetongue virus, *Culicoides nebulosus* 3922.
Onchocerca gutturosa, infection development, *Aedes aegypti* 3916.
Onchocerca volvulus, epidemiology, *Simulium damnosum* 8721.
Onchocerca volvulus, intake, feeding *Simulium ochraceum* 6959.
Praecocilenchus ferruginophorus, infection *Rhynchophorus ferrugineus*, India 1740.
 red ring disease *Elaeis guineensis*, vectors, *Rhynchophorus palmarum* 6994.
Romanomermis culicivorax, biological control *Culex pipiens* 2043.
Romanomermis culicivorax, biological control *Anopheles freeborni* 3002.
Romanomermis culicivorax, biological control Culicidae 6842.
Romanomermis culicivorax infection *Culex pipiens*, population studies 2650.
Romanomermis nielsen infection Culicidae 4496.
Spinitectus carolini, pathogenicity, Odonata/ *Hexagenia limbata* larvae 2651.
Thelazia, occurrence *Musca autumnalis*, Canada Ontario 2049.
Wuchereria bancrofti, heterogeneity, Culicidae vectors 2033.
Wuchereria bancrofti, transmission, capacity Culicidae, mathematical models 3926.
Wuchereria bancrofti, transmission, *Culex quinquefasciatus* 4786.
Wuchereria bancrofti, vectors, *Anopheles* / *Culex pipiens* 9554.
***Nematus*,**
 new records, Switzerland 8919.
 taxonomy 8255.
***Nemedina*,**
 new genus, Hungary 6610, 8174.
***Nemeritis canescens*,**
 host searching behaviour 1926.
 host searching behaviour, mathematical models 6233.
 suppression hosts defence mechanisms 1927.
***Nemestrinidae*,**
 new species, Mongolia, People's Rep. 5127.
***Nemestrinus*,**
 new species, Mongolia, People's Rep. 5127.
***Nemobius fasciatus*,**
 cuticle hydrocarbons 3458.
***Nemobius sylvestris*,**
 scototaxis, visual perception 4368.

- Nemophora*,
taxonomy 2422.
taxonomy/phylogeny 2421.
- Nemophora degeerella*,
courtship/mating behaviour 8556.
- Nemopteridae**,
new species, South Africa 4294.
- Nemoraia pellucida*,
life cycles/ecology, host-parasite interactions 1172.
- Nemoura*,
new species, Iran 5214.
new species, Italy 147, 6695.
new species, Yugoslavia 148.
- Nemoura wui*,
development, water temperature effects on 4863.
- Nemouridae**,
development 4863.
ecology 3999.
life cycles 9389.
new species, Australia 7402.
new species, Iran 5214.
new species, Italy 147, 6695.
new species, Yugoslavia 148.
- Nemurella picteti*,
larvae, distribution/abundance, streams 3999.
- Neocacotyledon*,
new genus 8962.
- Neocaliturus fenestratus*,
population dynamics, temperature/host plants effects on 4731.
- Neoamblyolpium*,
new species, USA 4180.
- Neoamymoma*,
taxonomy 1026.
- Neobisiidae**,
new species, Greece 6563.
new species, Sardinia 8990.
new species, Yugoslavia 4179.
- Neobisium*,
new species, Yugoslavia 4179.
- Neocentrobiella*,
new species, India 9085.
- Neoceraphron*,
taxonomy 2400.
- Neochetina affinis*,
life cycles/host plants 9381.
- Neochrysopophilus*,
taxonomy 7356.
- Neoclypeodytes cinctellus*,
larvae/pupae 8335.
- Neocnemidocoptes*,
new species, Australia 4151.
- Neocnemodon brevidens*,
first record, British Isles 656.
- Neoconis*,
check lists/new species, Brazil 2438.
- Neonocephalus nebrascensis*,
dispersal/spatial distribution, stridulation 8600.
- Neocossus*,
taxonomy 5185.
- Neocunaxoides*,
new species, South Africa 8965.
- Neocurtilla hexadactyla*,
chromosomes, meiosis 5737.
- Neodiprion lecontei*,
pest status, *Pinus rigida* 5679.
- Neodiprion pinetum*,
pest status, *Neodiprion pinetum* 6336.
- Neodiprion sertifer*,
biological control/parasitism 1238.
development, environmental factors 8524.
food consumption 6965.
glands, abdomen epidermis 7529.
host-parasite interactions, mathematical models 1115.
Johnston's organ, sex differences 8379.
larvae, aggregation behaviour, survival 8577.
nitrogen balance, sex differences 5321.
- Neodiprion swainet*,
viruses/bacteria infection effects on calcium/potassium levels 2648.
- Neogonatopus niger*,
taxonomy 5926.
- Neogynenica*,
taxonomy 7332.
- Neohaematopinus*,
new species, Pakistan 8110.
- Neohebestola*,
new genus 1026.
- Neohermes filicornis*,
sex chromosomes segregation 4909.
- Neohydatothrips*,
taxonomy 1531.
- Neohypnus*,
taxonomy 8159.
- Neokakimia*,
taxonomy 88.
- Neolaparus*,
taxonomy 6603.
- Neoleucinodes elegantalis*,
pest resistance *Lycopersicon esculentum* 7104.
- Neolucanus*,
new species, China, People's Rep./Viet Nam 2325.
- Neomyas*,
new genus/zoogeography, Nearctic Region 8120.
- Neopachystola*,
taxonomy 1026.
- Neopalachia*,
new species, fossils, Dominican Rep. 8257.
- Neoparlatoria*,
new species, China, People's Rep. 92.
- Neoperla*,
new species, Sri Lanka 5215.
- Neoperla lacunaris*,
taxonomy 3408.
- Neophyllaphis*,
new species, Chile 1496.
- Neopodocnum mrctaki*,
first record, Poland 2212.
- Neopsylla sondiacus*,
pesticide resistance, Indonesia 4514.
- Neorchesella*,
new genus, Mexico 6597.
- Neoris*,
geographical distribution, Iran/Turkey 8042.
- Neoscirula*,
new species, South Africa 8964.
- Neoscona*,
new species, India 2289.
- Neoseiulus*,
humidity effects on 5473.
- Neoseiulus californicus*,
rearing 7415.

- Neosphaerocera**,
new species, Brazil 8197.
- Neosteingelia texana**,
ultrastructure, spermatozoa 5252.
- Neotabuda**,
review/new species, South Africa 2377.
- Neotaracia**,
new species/revision, Neotropical Region 3361.
- Neotermes**,
new species, Brazil 846.
- Neotermes arthurimuelleri**,
Trichonympha symbionts 426.
- Neotoxoptera**,
new records, Australia 2255.
- Neotrabisus**,
new species, Zaire 6587.
- Neotrachys**,
revision, Neotropical Region 5080.
- Neotrichoppia**,
new genus, Spain 6549.
- Neotrombicula autumnalis**,
habitats/abundance, Czechoslovakia Prague 1994.
- Neotropical Region**,
check lists, Psyllidae 8077.
check lists *Listronotus* 2317.
first record *Aphanogmus fijiensis* 3261.
geographical distribution *Phiale crocuta* 5075.
keys Mecoptera 7231.
new records *Cyanogomphus* 3406.
new species Acrididae 143, 1529, 6691.
new species Asilidae 6602.
new species Braconidae 1506.
new species Cepheidae 8963.
new species Cerambycidae 775.
new species Cicadellidae 6642, 7342, 8235.
new species Coccinellidae 4199.
new species Colydiidae 6570.
new species Curculionidae 6572, 8136.
new species Dermaptera 8172.
new species Eurytomidae 5929.
new species Ganphosidae 5820.
new species Limnichidae 8149.
new species Melolonthidae 4205.
new species/new records Cerambycidae 8125.
new species/new records Heleomyzidae 8190.
new species/revision *Athyreus* 3325.
new species/revision *Neotaracia* 3361.
new species Scelionidae 5180, 9083.
new species Sphecidae 5941.
new species Tipulidae 1487.
new subspecies Noctuidae 8270.
range extension Trachelodesmini 8298.
review *Metius* 768.
revision Acanthocerini 1492.
revision Encyrtidae 4266.
revision Ephydrinae 4236.
revision *Hypothyris* 5198.
revision Leptysminae 7401.
revision/new species, *Limnichoderus* 7288.
revision *Notoxus* 2300.
revision *Ochthera* 4237.
revision Pentatomini 3364.
revision Uloboridae 1436.
taxonomy Scarabaeoidea 3323.
taxonomy/zoogeography Scydmaenidae 8155.
- Nepa**,
taxonomy 9063.
- Nepal**,
first record *Sitticus niveosignatus* 5028.
new species Cerambycida 4192.
new species Carabidae 2311.
new species Cerambycidae 4196.
new species Cerylonidae 3311.
new species Colonidae 7278.
new species Entomobryidae 4220.
new species Geometridae 8261, 8264.
new species Glycyphagidae 3273.
new species Heptageniidae 5905, 6628.
new species Lycaenidae/Satyridae 6672.
new species Noctuidae 8269.
new species Salticidae 4169, 4170.
new species Scydmaenidae 4210.
- Nepal Kathmandu**,
Isoptera fauna 5780.
- Nephila**,
revision, Nearctic Region 1430.
- Nephila clavata**,
food chains-*Agelastica coerulea*, trace metals, soil 7013.
- Nephila clavipes**,
cleptoparasitism/energetics 7737.
eggs-cocoons construction/oviposition 4586.
hatching, seasonal variations 1911.
predatory behaviour 9523.
size, sexual selection 2758.
- Nephoterix rubrisparsella**,
larvae/host plants 7440.
- Nephotettix**,
pest resistance *Oryza* 2859.
transmission rice waika virus 7090.
- Nephotettix cincticeps**,
feeding sites/honeydew 6784.
host preferences, *Oryza sativa* 9467.
parasitism 2735.
resistance carbamates 4508.
transmission rice waika virus, environmental factors 7082.
- Nephrotoma**,
phylogeny/taxonomy/zoogeography, west Palaearctic
Region 9060.
- Nephus**,
new species, Turkey 9007.
new subspecies/new records, Italy 781.
- Nepidae**,
behaviour 2689.
predatory behaviour 421.
taxonomy 9063.
- Nepticulidae**,
larvae/taxonomy 7381.
new records, British Isles Essex/Surrey 661.
new records, France 687.
taxonomy 9090.
- Neptis clinia**,
taxonomy 113.
- Nerene**,
new species, Comoro Is. 5816.
- Nersia florens**,
biology/immature stages 9413.
- Nerves**,
acetylcholine receptors, Insecta, review 7451.
activity, metathoracic ganglion, ventilation, *Locusta migratoria*/Schistocerca gregaria 1620.
activity, walking, *Periplaneta americana* 2531.
ageing, *Apis mellifera* queens 9297.
amino acids, Araneae 4358.
anatomy, Leptophlebiidae larvae 206.

Nerves,(continued)

- anatomy, *Periplaneta americana* 2528.
 antennal lobes, development, *Periplaneta americana* 7465.
 ATPase (Na + K activated) activity, *Manduca sexta* 3477.
 auditory perception, *Gryllus campestris* 7476.
 balance/orientation, *Anax junius* 8380.
 biogenic amines, Insecta, review 6756.
 blood-brain barrier, *Amblyomma variegatum* 5261.
 body wall turgor regulation, central nervous system studies, Insecta 1552.
 brain, amino acids, *Orthetrum sabina* 6802.
 brain, cholinergic transmission, *Locusta migratoria* 6757.
 brain, deutocerebrum, glomerulus ultrastructure, *Blaberus craniifer* 8362.
 brain, hormones effects on, *Calliphora erythrocephala* 8364.
 brain, neurosecretion, histology, *Coccinella septempunctata* 9253.
 brain, neurosecretion, Tipulidae 9249.
 brain, neurosecretion cells, Blattodea 8440.
 brain, neurosecretion cells, *Philosamia ricini* 6831.
 brain, taurine, metamorphosis, *Mamestra configurata* 8538.
 brain anatomy, *Blaberus craniifer* 2527.
 brain membranes, adenylate cyclase, *Ceratitis capitata* 7460.
 bungarotoxin binding, *Torpedo* 6090.
 carbon dioxide effects on, *Locusta migratoria* 8517.
 central nervous system, embryology, *Drosophila melanogaster* 8507.
 central nervous system, glycogen, *Periplaneta americana* 6759.
 central nervous system, metamorphosis, *Pieris brassicae* 8369.
 central nervous system, trachea, *Locusta* 230.
 central nervous system, tyramine metabolism, *Manduca sexta* 6760.
 central nervous system pesticide resistance pyrethroids, *Musca domestica* 293.
 central nervous system sensitivity, relationship pesticide resistance, *Spodoptera littoralis* 3607.
 cerci, role, direction, *Acheta domestica* / *Gryllus bimaculatus* 2540.
 chemoreceptors, responsiveness, *Phormia regina* 2523.
 chemoreceptors function, Insecta, review 937.
 cholinergic nerves, behaviour/pupation, *Manduca sexta* 6164.
 cholinergic transmission, muscarinic ligands binding, *Acheta domestica* 1623.
 cholinesterase activity, *Periplaneta americana* 4357.
 colour vision, *Apis mellifera* 9174.
 conduction, tetrodotoxin effects on, temperature-sensitive mutant, *Drosophila melanogaster* 4063.
 coordination, walking, *Romalea microptera* / *Schistocerca gregaria* 1609.
 cuticle receptors, ultrastructure, Culicidae 7469.
 DDT analogues effects on, *Periplaneta americana* 9291.
 DDT/pyrethroids effects on, *Musca domestica* 304.
 denervation effects on synapses-inhibition, sense organs, *Acheta domestica* 2529.
 deutocerebrum, *Blaberus craniifer* 9165.
 development, Insecta, review 7466.
 development, vision, *Manduca sexta* 8370.
 development I(3)gl brain, *Drosophila hydei* 9345.
 dieldrin uptake, *Schistocerca gregaria* 1765.
 electrical properties, auditory stimuli, *Gryllus* 2536.
 electrical properties, development/damage, *Acheta domestica* 4356.
 electrical properties, metarhodopsin photoconversion, eye, *Drosophila* 1635.
 electrical properties, neurons 4359.
 electrical properties, temperature effects, *Drosophila* 7467.
 electrical properties, visual stimuli, *Schistocerca gregaria* eye 3478.
 embryology, leg *Schistocerca nitens* 8676.
 emergence behaviour, *Hyalophora cecropia* 9187.
 endocrinology, methodology, book 8957.
 ervatamine effects on, *Periplaneta americana* 2519.
 esterase, moulting, *Bombyx mori* 9163.
 flight, ontogeny, *Schistocerca nitens* 7459.
 ganglia, electrical properties, kynurenine deficient mutant, *Apis mellifera* 9691.
 giant axons, Amblypygi 2524.
 giant axons, anatomy/physiology, *Heterometrus fulvipes* 3472.
 giant axons, sensory stimuli, *Periplaneta americana* 5260.
 glial cells, cell junctions, *Musca domestica* 926.
 head movements, *Calliphora* 1644.
 hormones, *Locusta migratoria* 9224.
 initiation jumping, *Locusta migratoria* 2515.
 innervation, leg muscles, *Schistocerca* 7461.
 innervation chemoreceptors, mouthparts, *Choristoneura fumiferana* 1637.
 innervation chordotonal organs, labial palps, *Pieris rapae* 5267.
 innervation corpora cardiaca, *Manduca sexta* 8361.
 innervation flight muscle, *Drosophila melanogaster* 7475.
 innervation flight muscle/heart, *Caligo beltrao* 6761.
 innervation muscles/glands, *Boophilus microplus* 8365.
 innervation prothoracic gland, *Periplaneta americana* 7463.
 innervation sensilla, antennae, Hymenoptera 7474.
 innervation sensilla, mouthparts, *Ctenicera destructor* larvae 1622.
 integration, hearing, *Gryllus bimaculatus* 3469.
 integration, *Periplaneta americana* 5259.
 integration, *Schistocerca gregaria* 5257.
 lamina, development/ultrastructure, *Schistocerca gregaria* 9167.
 leg, role, foraging behaviour, *Apis mellifera* 2526.
 leg, *Zygiella x-notata* 218.
 locomotion, *Carausius morosus* 9186.
 medulla neurons, visual perception, compound eyes, *Gryllus campestris* 1640.
 methodology, Insecta, book 8368.
 microscopy, fixation, Insecta 4309, 4310.
 motor activity, moulting behaviour *Schistocerca gregaria* 226.
 moulting behaviour, *Teleogryllus oceanicus* 7648.
 nervous system anatomy, Collembola 9164.
 neural control grooming, *Sphodromantis lineola* 8378.
 neural control hyperlipaemic hormone secretion, *Locusta migratoria* 6821.
 neuroendocrine system, *Idiocerus atkinsoni* 9171.
 neuromuscular junctions, L-glutamate, *Tenebrio molitor* 4360.
 neuromuscular junctions, *Schistocerca gregaria* 5258.
 neurons, brain, immunochemistry, *Calliphora erythrocephala* 2587.
 neurons, cell junctions, *Musca domestica* 925.
 neurons, electrical properties, respiratory systems, *Anax parthenope* 2538.
 neurosecretion, *Achoea janata* / *Philosamia ricini* 9168.
 neurosecretion, *Oxyopes sakuntale* 2534.
 neurosecretion axons activity, relationship hormones, *Rhodnius prolixus* 2521.
 neurosecretion cells, brain, Geocorisae 9169.
 neurosecretion cells, *Eurygaster integriceps* 3470.

Nerves,(continued)

- neurotoxicity insecticides, pest control, review 561.
 neurotransmitters, acetylcholine, sex, *Philosamia ricini* 3540.
 neurotransmitters, amino acids, *Androctonus australis* 3474.
 neurotransmitters, γ -aminobutyric acid/taurine, *Periplaneta americana* 9166.
 neurotransmitters, octopamine, brain, metamorphosis, *Mamestra configurata* 2517.
 neurotransmitters, *Periplaneta americana* 4364.
 neurotransmitters, salivary gland, *Nauphoeta cinerea* 7462.
 nutrition, glucose/trehalose, *Schistocerca gregaria* 1625.
 ocelli, acetylcholinesterase activity, *Apis mellifera* 6009.
 ocelli, *Aeshna tuberculifera* / *Anax junius* 5269.
 optic ganglion, *Apis mellifera* 8363.
 optic lobes, sex differences, *Musca domestica* 4365.
 optic lobes, synapses, ultrastructure, *Calliphora* 2539.
 oviposition regulation, *Carausius morosus* 4572.
 pars intercerebralis/sub-oesophageal ganglion, ultrastructure/
 cytochemistry neurosecretion cells, *Hydrous triangularis* 928.
 pathway, central nervous system, *Drosophila* 3475.
 perineural cells, glial cells, gap junctions, *Boophilus microphilus* 927.
Periplaneta americana 8366.
 pharmacology, bioluminescence, *Photuris pennsylvanica* 8449.
 physiology, avoidance learning/transfer learning, *Periplaneta americana* 2535.
 physiology, methodology, Insecta, book 2262.
 physiology nervous system, walking control, mathematical models, Insecta 3467, 3468.
 proteins biosynthesis, cycloheximide effects on, *Stagmatoptera biocellata* 3471.
 quinuclidinyl benzilate binding, *Musca domestica* 6012.
 regeneration, electrical properties, *Periplaneta americana* 6011.
 response, visual stimuli, Diptera 2545.
 response properties, cerci removal effects on, *Acheta domestica* 2530.
 sexual dimorphism, innervation tympanum muscles, *Magacicada septendecim* 3476.
 short term memory localization, *Apis mellifera* 6010.
 synaptosomes, proteins, membrane phosphorylation, *Drosophila melanogaster* 9170.
 synaptosomes isolation, *Locusta migratoria* 5983.
 thorax, *Philosamia ricini* larvae 8441.
 ultrastructure, *Megoura viciae* 161.
 ventral nerve cord, auditory stimuli/vibratory stimuli, *Tettigonia cantans* 6015.
 ventral nerve cord, ultrasound, *Decticus verrucivorus* / *Locusta migratoria* / *Tettigonia cantans* 5271.
 ventral nerve cord, vibratory stimuli, *Nezara viridula* 5276.
 vision interactions flight, *Schistocerca gregaria* 2518.
Nesamblyops,
 taxonomy 2310.
Nesopsilopa,
 new species, USA 6612.
Nessidocus,
 new species, Japan 2301.
Nesticidae,
 new species, Brazil 1429.
 new species, New Ireland 3286.
Nesticus,
 new species, Brazil 1429.
 new species, New Ireland 3286.
Nests,
Anacanthotermes angherianus, fungi soil microorganisms 1272.
Andrena dunningi 7708.
Anthophora antiope 390.
Apis mellifera, fauna, Poland 2937.
Apis mellifera, overwintering 1099.
 artificial nests, Formicidae 8301.
 biology, *Melittoma* 5504.
 biology, *Mischocyttarus* 1273.
 biology, *Ptilothrix bombiformis* 1081.
 biology, social interactions, *Polistes foederatus* 3740.
 biology *Vespa flavopilosa* 389.
 brood rearing, environmental effects, *Apis mellifera* 3641.
 burrowing behaviour/nesting behaviour, *Sphex ichneumoneus* 1087.
Cerceris 8682.
Cerceris watlingensis 7710.
Colletes daviesanus 1108.
 colonies development/population dynamics, *Vespa vulgaris* 4851.
 communication, *Polistes metricus* 7677.
 construction, *Vespa crabro* 6379.
 courtship behaviour, *Phidippus johnsoni* 9367.
Crabro 1861.
Dolichovespula arenaria, overwintering *Polistes fuscatus* 3742.
Dynatus nigripes / *Penopodium albopilosum* 4635.
F. varis zonata 9428.
 factors affecting distribution, *Roparidia fasciata* 5714.
Formica lugubris 9420.
 heat balance/production, *Formica polyctena* 2004.
Hoplitis biscutellae 5505.
 humidity/temperature, *Odontotermes obesus* 3747.
 hygiene, adaptations, *Apis mellifera* 3994.
Hylaesus pectoralis 3215.
 Isoptera, grasslands, Australia 3710.
Lasius flavus 8781.
Melissodes persimilis 4643.
 nest building, *Anacanthotermes ochraceus* 2107.
 nest building, anti-predator behaviour, *Parishnogaster nigricans* 8570.
 nest building, *Atta vollenweideri* 6378.
 nest building, *Bubas* 4632.
 nest building, *Polistes gallicus* 5522, 9648.
 nest building, social organization, *Nasutitermes costalis* 9646.
 nesting behaviour, activity patterns, diurnal variations, *Lastioglossum zephyrum* 381.
 nesting behaviour, *Ancistrocerus tuberculocephalus* 3743.
 nesting behaviour, *Colletes* 2928.
 nesting behaviour, competition, *Polistes fuscatus* / *Trogodytes aedon* 3824.
 nesting behaviour, *Crabro* 4644.
 nesting behaviour, *Diadasia bituberculata* 7693.
 nesting behaviour, *Epyris eriogoni* 7706.
 nesting behaviour, *Macropis nuda* 6188.
 nesting behaviour, *Phlanthus bicinctus* 6947.
 nesting behaviour, Pompilidae 4634.
 nesting behaviour, *Tachysphex mundus* 388.
 nesting behaviour, *Vespa simillima* 2105.
 nesting behaviour, *Xylocopa frontalis* males 1073.
 nesting behaviour/nest provisioning, *Sphex ichneumoneus* 2782.
 nutrient cycles, *Formica polyctena* 9640.
Polistes exclamans 5713.
 population density, effects on trophallaxis, *Solenopsis invicta* 5715.
 queenless, brood rearing/caste differentiation, *Evyllaesus*

- Nests,(continued)**
calceatus 2108.
 relationship vegetation type, *Odontotermes obesus* 3854.
 site selection, *Apis mellifera* 1089.
 social organization, *Formica exsecta* 7107.
 social organization, Isoptera 3110.
 soil, nutrient content, *Formica* 7913.
Tachysphex 6924.
Tachytes tricinatus 6201.
 thermoregulation, *Formica polyctena* 3111.
Trachypus 377.
Vespa luctuosa 578.
Netherlands,
 check lists Diptera 5004.
 first record *Bombylius medius* 3210.
 first record *Chrysomela lapponica* 3203.
 first record *Oxycera morrisii* 3211.
 first record *Pirata tenuitarsis* 7184.
 first record *Profenusa thomsoni* 8918.
 geographical distribution *Adscita sticticus* 5775.
 geographical distribution/ecology *Sargus bipunctatus* 675.
 geographical distribution *Hydrotaea irritans* 3212.
 geographical distribution *Hyloicus pinastri* /*Deilephila porcellus* 4128.
 geographical distribution *Parhelophilus* 2492.
 Lepidoptera, migration 6514.
 medical importance *Rhipicephalus sanguineus* 1194.
 new records Cecidomyiidae 663.
 new records *Deileptenia ribeata* 1384.
 new records Dolichopodidae 8031.
 new records *Eratophyes aleatrix* 2237.
 new records Lepidoptera 697, 7205.
 new records Syrphidae 7200.
Netherlands Strabrechtse Heide,
 pest outbreaks *Ematurga atomaria* 563.
Netrodera,
 new subspecies, Ethiopian Region 5085.
Neuquenaphis,
 new species, Chile 1496.
Neuraphes,
 new species, Sweden 7267.
 new species, Yugoslavia 3297.
 new species/new records, France/Switzerland 7297.
Neuroptera,
 check lists, Spain Toledo 7208.
 check lists, Switzerland Balmoos 1361.
 dispersal 6264.
 new records, Spain 7209.
 oviposition 6142.
Neurosecretion,
 brain, embryogenesis, *Lymantria dispar* 4529.
 brain, *Poecillocerus pictus* 2520.
 cells, brain, Asilidae 1726.
 cells, nerves, *Eurygaster integriceps* 3470.
 cells, ultrastructure/cytochemistry, pars intercerebralis/sub-
 oesophageal ganglion, *Hydrous triangularis* 928.
 ecdysone regulation, *Locusta migratoria* 3669.
 exocytosis, aorta, oviposition, *Labidura riparia* 3567.
 fertilization effects on, *Ixodes persulcatus* 3563.
Ixodes persulcatus, feeding 1717.
Lygaeus pandurus 2629.
 median neurosecretory cells, effects on-proteins, *Melanoplus sanguinipes* 3667.
 median neurosecretory cells, enzymes, *Dysdercus cingulatus* 3506.
 nerves, *Oxyopes sakuntale* 2534.
 neuroendocrine system, brain, *Pisaura mirabilis* 3568.
 neuroendocrine system, histology, brain, *Crynodes peregrinus* 2525.
 pars intercerebralis, apholate effects on, *Dysdercus koenigii* 3633.
 pyrethroids effects on, brain, *Rhodnius prolixus* 3566.
 staining, methodology, Insecta 3435.
 ultrastructure, pars intercerebralis-corpora cardiaca, *Aeshna cyanea* larvae 2522.
Neurotoma,
 new species, Korea Rep./China, People's Rep. 7361.
New Britain,
 new species Attidae 1432.
 new species Hydrophilidae 7286.
 new species Menoponidae 4282.
New Caledonia,
 Lepidoptera, ecology/zoogeography, book 2267.
 new species Cecidomyiidae 7307.
 new species Delphacidae 6645.
 new species Helodidae 2322.
 new species Hydrophilidae 7286.
 new species Leptophlebiidae 1490.
 new species Lygaeidae 8218.
 new species/new records Calliphoridae 6604.
 new species Pseudoscorpiones 7264.
 new species Syrphidae 2371.
 new species Telemididae 3288.
 new species Tenuipalpidae 5813.
 new species Tortricidae 8280.
 pest outbreaks *Spodoptera exempta* 3079.
New Hebrides,
 new species Lygaeidae 8218.
New Ireland,
 new species Nesticidae 3286.
 new species Scaphidiidae 6589.
New Zealand,
 Acari, nomenclature, book 2260.
 Arthropoda pests milk dried 3070.
 check lists Anoplura/Mallophaga 8900.
 chemical control *Costelytra zealandica*, review 3987.
 dispersal/geographical distribution *Heteronychus arator* 3814.
 first record *Drosophila enigma* 9760.
 first record *Phalacrus uniformis* 4206.
 geographical distribution/phenology Calliphoridae 8901.
 grasslands, control programmes Insecta pests 3980.
 introduced species, establishment, *Iridomyrmex darwinianus* 6485.
 new records, bites, *Lampona cylindrata* 6320.
 new records Acari 8899.
 new records Arthropoda, introduced species 6461.
 new records *Ceratognathus passaliformis* 6473.
 new records Formicidae, introduced species 6487.
 new records Libellulidae 6494.
 new species Carabidae 2307, 2310.
 new species Chironomidae/Ceratopogonidae 2351.
 new species Dermomyiidae 2274.
 new species/keys Ichneumonidae 5934.
 new species/new records Diapriidae 1508.
 new species Philopteridae 2436.
 records Macrochelidae 6462.
 records *Sceliphron laetum* 6486.
 revision/biology/immature stages/geographical distribution *Eulimnia* 79.
 revision Cavognathidae 6567.
New Zealand Arthurs Pass National Park,
 Carabidae fauna 9720.

New Zealand Urewera National Park,
new records Lepidoptera/Orthoptera 6464.
new records Odonata 6493.

Nezara viridula,
aggregation pheromone/*Trichopoda pennipes* attractants
975.

dispersal activity, diel variations 2776.
feeding activity, relationship stylet sheaths 425.
pest resistance *Glycine max* 4836.
phenology/population dynamics 4654.
reproductive behaviour 364.
strains, reproduction 3631.
ventral nerve cord, vibratory stimuli 5276.

Nicoletia,
revision, Europe 3410.

Nicoletiella,
nymphs 6727.

Nicoletiellidae,
immature stages/morphology 6727.

Nicoletiidae,
new species, Europe 3410.

Nicoletiinae,
revision, Europe 3410.

Niesthrea louisianica,
secretions composition, abdomen/thorax glands 275.

Nigeria,
check lists Insecta 7215.
ecology *Aedes simpsoni* 3840.
geographical distribution/epidemiology onchocerciasis,
Simulium damnosum 8721.

new species Anthocoridae 2381.
new species Cicadellidae 8232.
new species Cixiidae 7346.
new species Linyphiidae 7257.
new species/new records Gracillariidae 117.
new species Nymphalidae 127, 5953.
new species Protura 149.
new species Trichodectidae 6683.

pest control, diseases vectors, review 8698.
pest status *Azygophleps albiovittata* 2470.
pest status *Microtermes* 3102.
seasonal variations abundance Culicidae 9544.

Nigeria Jos Plateau,
check lists, Anoplura parasitism chickens 8725.

Nigroria serricornis,
phoresy 7731.

Nihelia,
new species, South Africa 5051.

Nilaparvata lugens,
attractants, *Oryza sativa* plant chemicals 9490.
biotypes, genetics 7926.
feeding, measuring techniques, honeydew production 165.
flight 6021.

ingestion deterrents 1113.
meiosis, chromosomes 8823.
pesticide resistance/polymorphism 558.
population levels, climatic conditions effects on 1178.
predation 2946.
sound production, communication disruption 1871.
toxicity carbofuran residues 3092.

Niphadoses gilviberbis,
first record, Pakistan 1566.

Niphopelta imperialis,
larvae 2482.

Nippolachnus,
taxonomy 8229.

Nipponentomon nippon,
immature stages 1580.

Nipponiella,
new genus 1422.

Nisia atrovonosa,
meiosis, chromosomes 8823.

Nisotra orbiculata,
Beauveria bassiana pathogenicity 278.

Nitidulidae,
development 6896.
geographical distribution, Nearctic Region 2250.
new records, Belgium 5766.
new species, Algeria 9015.
new species, Ethiopia 5104.
new species, Ethiopian Region 5103.
new species, Jordan 1458.
new species, Oriental Region/China, People's Rep. 7290.
parasitism 2841.

pests 1149.
pollination *Opuntia* 4693.

taxonomy 1457, 5835.
zoogeography 4996.

Nitidulini,
check lists, Iberian Peninsula 4996.

Nitrogen,
effects on hatching, *Ephestia* 1803.
excretion, *Bombyx mori* 240.
metabolism, mutants, *Bombyx mori* larvae 2589.

Nixe,
new genus 6627.

Nocheia,
new genus, Brazil 3364.

Noctiacanace,
new species, Malagasy Rep. 3341.

Noctua armigera,
taxonomy 2432.

Noctuidae,
alkaloids effects on 9333.
amino acids 6037.
antifeedants 2884, 2885.
attractants 976, 1706, 2606, 4837, 5328, 6822.
behaviour 3685, 4620, 5280, 5422, 5447, 5448, 6960, 9488.
behaviour/pest resistance 9476.
behavioural genetics 4077.

biological control 555, 1235, 3055, 3103, 6349, 7872, 7875,
8668, 8742, 8762.

biological control/chemical control 2079, 3056, 9622.
biology/pests 6954.

brain 2517.
cell culture 917, 4338, 4340.

check lists, France Creuse 683, 684.
check lists, Germany, Fed. Rep. Schopflocher Alb 9736.

check lists, Spain Segovia 700, 1386, 1391.
check lists, Spain Sierra Nevada 3230.

chemical control 550, 557, 564, 1164, 3044, 3937, 3944,
3958, 3966, 3969, 4807, 4811, 5706, 6358, 7088, 7879, 8772, 9599, 9616, 9632.

chemical control/toxicity insecticides 2082.

chemical control/control, chemical control *Trichoplusia ni*
3040.

chitin 3453.

circulatory systems 9118.

coloration 268.

cultural control 1248, 2074, 5672, 7102, 8735, 8763.

cultural control/pest resistance *Glycine max* 8739.
development 1039, 1551, 1845, 4544, 4580, 5428, 6894,
8515, 8531, 8535, 8538, 9319, 9320, 9343.

Noctuidae,(continued)

- development/reproduction 4546.
 diapause 2746.
 diets 2448.
 ecology 494.
 enzymes 234, 256, 2876, 3533, 4418, 4569, 5312, 5313, 8400, 8416.
 enzymes/pesticide resistance 2446.
 feeding 6969.
 flight 887.
 food plants 2713, 3778.
 genes 3130.
 glands 6068, 6073.
 growth/host plants 1152.
 growth regulators 3630, 6108, 6135, 6898, 9326.
 habitat preferences/species diversity, USSR Altai 1979.
 hormones 7535.
 host plants 3787, 6989.
 host plants effects on 8582, 9615.
 hybrids 4577.
 immature stages 187, 8333.
 insecticides toxicity 2672, 2684.
 integrated control 2065, 3077, 3956.
 life cycles 1077, 4656, 5500, 8595, 9409, 9432.
 lipids 2600.
 mating 1064.
 metabolism 6819, 8410.
 methodology 4327.
 migration 6997.
 morphometry 915.
 natural enemies 501, 2002, 3068.
 neurosecretion 9168.
 new records, British Isles 2201.
 new records, British Isles Monmouthshire 4989.
 new records, Czechoslovakia Bohemia 3219.
 new records, Denmark 1377, 3220.
 new records, France 4126.
 new records, Hungary 2234.
 new records, Iberian Peninsula 1388.
 new records, Italy 1383.
 new records, Italy Tuscany 6513.
 new records, Sweden 8052.
 new records, Switzerland 5017, 8922.
 new species, Cameroon (United Rep.) 3391.
 new species, Finland/USSR 5951.
 new species, Italy 857.
 new species, Malta 2434.
 new species, Nepal 8269.
 new species, USSR 2433.
 new subspecies, Taiwan 8268.
 nucleic acids 596.
 nutrition 8405.
 oviposition 9487.
Paecilomyces tenuipes infection 997.
 parasitism 431, 1122, 1993, 2839, 2843, 3048, 3523, 6227, 6228, 6231, 6235, 6840, 6975, 6979, 7734, 9451, 9458.
 pathology 1002, 2580, 3579, 4493, 5359, 5371, 6848, 8452, 8455, 9130, 9264, 9265, 9271, 9273.
 pathology Microsporidia 8458.
 pest control 4846.
 pest resistance *Brassica oleracea* 7075.
 pest resistance *Eleusine coracana* 7774.
 pest resistance *Glycine max* 7768.
 pest resistance *Gossypium* 4685.
 pest resistance *Gossypium hirsutum* 8643.
 pest resistance *Lactuca* 7903.
 pest resistance *Nicotiana* 3971.
 pest resistance *Nicotiana tabacum* 5711.
 pest resistance plants 8627.
 pest resistance *Triticum* 455.
 pest resistance *Zea mays* 3026, 7773.
 pesticide resistance 308, 1771, 1775, 3607, 3610.
 pests 1101, 1135, 1244, 2071, 2076, 2086, 2456, 2777, 2797, 2878, 3039, 3063, 3079, 3093, 3096, 3107, 3850, 3898, 3963, 3988, 4830, 5688, 6368, 6376, 7902, 8312, 8729, 8756, 8771, 8775, 9471.
 phenology 3725.
 pheromone traps 6709.
 pheromones 973, 978, 1559, 1700, 1707, 2604, 3552, 4442, 4444, 4447, 4449, 6824, 7515, 9223, 9237.
 phototaxis 6019.
 pollination 4701.
 polymorphism 1348.
 population dynamics 3874.
 population growth 3731.
 population levels, seasonal variations, Saudi Arabia Al-Hassa 3879.
 population studies, USA Illinois 505.
 populations 4753, 5610, 5674, 6150, 7023, 7806, 7807, 9532.
 predation 1989, 2915, 2930, 5632, 7810.
 pupae 5995.
 rearing 171, 2462, 3428, 3433, 5976, 7411, 7420.
 repellents 4446.
 repellents/toxicity plant extracts 7766.
 reproduction 7587.
 reproductive behaviour 2752.
 reproductive systems 9306.
 sense organs 2542, 6017, 8375, 9176.
 senses 938.
 sex ratios 4082.
 sex ratios/reproductive status 1066.
 size/host plants 9142.
 spermatophores 363.
 taxonomy 125, 1520, 2432, 5197, 8270, 9094, 9095, 9096.
 taxonomy, book 6538.
 toxicity, *Bacillus thuringiensis* 301.
 toxicity aflatoxins 297.
 toxicity *Bacillus thuringiensis* + insecticides 6854.
 toxicity *Bacillus thuringiensis* /*Nomuraea rileyi* 6856.
 toxicity chlordimeform 1757.
 toxicity diflubenzuron 1767, 2678.
 toxicity dyes 2659.
 toxicity fatty acids esters 1755.
 toxicity insecticides 6110, 7564.
 toxicity methomyl 6103.
 toxicity plant extracts 4696, 8474.
 toxicity rose bengal 311.
 traps 3425, 3549, 3939, 5984, 6713.
 vectors 1234.
 viruses 992, 3583, 3590, 4486, 4501, 5356, 5361, 5369, 5372, 7554, 8461.
 weed control *Lantana camara* 6238.
 weight 333.
 zoogeography 8011.
Nodocion,
 revision, Nearctic Region 3280.
Nolidae,
 check lists, Comoro Is. 8258.
Nomada,
 parasitism *Agapostemon* 4672.
Nomadopsis puellae,
 mating, circadian rhythms 3695.
Nomia,
 taxonomy 5170.

- Nominocerus*,**
new species, USSR 8158.
- Nomisia*,**
taxonomy 20.
- Noorda*,**
taxonomy 863.
- Noordinac,**
new taxa 863.
- Norfolk I.,**
check lists Psocoptera 7181.
- North America,**
Insecta-aquatic organisms, book 2264.
- Norway,**
Biston betularia melanism 4092.
check lists/life cycles Simuliidae 7687.
Collembola, keys, book 6536.
ecology/geographical distribution Halacaridae, beaches 4723.
new records Chironomidae 5123.
new records Lepidoptera 5015.
new records *Paraleptophlebia submarginata* 5007.
new species Chironomidae 70.
new species/ecology Isotomidae 3338.
new species Isotomidae 2345.
new species Mymaridae 2409.
new species Syrphidae 2373.
new species Vespidae 5944.
pest status, *Dineura virididorsata* / *Eriocrania* 8761.
- Nosodendridae,**
host plants 7754.
- Nosodendron californicum*,**
host selection, *Abies grandis* 7754.
- Nosopsyllus fasciatus*,**
parasitism *Rattus norvegicus* 2849.
- Notacanthurus*,**
new species, USSR 5898.
- Notaris scirpi*,**
first record, British Isles Cumbria 7997.
- Noteridae,**
biology 3116.
- Noterus*,**
biology/ecology, Denmark 3116.
- Nothomyrmecia macrops*,**
immature stages 1575.
stings, anatomy 6748.
- Nothridae,**
new records, Egypt, Arab. Rep. 1421.
- Nothris lemniscella*,**
first record, Belgium 678.
- Nothrus*,**
taxonomy 2281.
- Nothrus biciliatus*,**
first record, Egypt, Arab. Rep. 1421.
- Notioconia*,**
new genus, Neotropical Region 4236.
- Notiphila*,**
revision, Nearctic Region 4234.
- Notobaetis*,**
new genus, Argentina 9061.
- Notocera*,**
taxonomy/new species, Brazil 824.
- Notocera brachycera*,**
sexual dimorphism/taxonomy 824.
- Notocyphus dorsalis*,**
parasitism *Aphonopelma chalcodes* 443.
- Notodonta phoebe*,**
new records, Finland Hame 3221.
- Notodontidae,**
biological control 3052.
biology 4652.
check lists, Spain Leon/Oviedo 703.
chemical control 9601.
new records, Finland Hame 3221.
new records, France Ardeche 688.
new species, Ecuador 3392.
new species, Japan 126.
new species, Neotropical region 3393.
parasitism 1172, 4322.
pathology 283.
pests 1894, 5616.
pheromones 7514.
population dynamics 3887.
taxonomy 8271.
- Notodres oudemansi*,**
parasitism *Erinaceus albiventris* 9460.
- Notonecta*,**
foraging behaviour 5485.
- Notonecta glauca*,**
predatory behaviour, vibratory stimuli 2550.
- Notonecta hoffmanni*,**
anti-predator behaviour/foraging behaviour 5515.
- Notonectidae,**
behaviour 5485, 5515.
new species, Philippines 7327.
new species, South Africa 1494.
predation 2550.
- Notonophes hystricosus*,**
taxonomy 50.
- Notoplocoptera malaisi*,**
taxonomy 8208.
- Notostira elongata*,**
competition *Megaloceraea recticornis*, food selection 4747.
- Notoxus*,**
new species, Ethiopian Region 6564.
new species, India 4185.
new species, Malagasy Rep. 5078.
new species, Sudan (Dem. Rep.) 8112.
new species/revision, Neotropical Region 2300.
- Notoxus miles*,**
new subspecies, Italy 762.
- Notuchus*,**
new species, New Caledonia 6645.
- Novomessor cockerelli*,**
competition *Veromessor pergandei* 9526.
foraging behaviour, food availability/temperature effects 9393.
- Novotinea carbonifera*,**
taxonomy 1522.
- NRDC-161,**
toxicity, *Anthonomus grandis* 1756.
- Nucleic acids,**
actin ribonucleoprotein (messenger), *Smittia* embryos 2123.
aromatic-L-amino-acid decarboxylase mRNA, induction, ecdysterone, *Drosophila melanogaster* 595.
ATP dependent DNA-unwinding protein, *Drosophila melanogaster* 587.
biosynthesis, accessory gland, *Aedes aegypti* 2139.
biosynthesis, chromosomes, *Rhynchosciara* 3127.
concentration, growth/development, *Acyrtosiphon pisum* 600.
cytoplasmic RNA, structure/translation/metabolism, *Drosophila melanogaster* 4033.

Nucleic acids,(continued)

- DNA, cytosine (5-methyl) content, polytene chromosomes, *Sciara coprophila* / *Drosophila* 592.
- DNA, fibroin genes, *Bombyx mori* 9671.
- DNA, mitochondria, age effects, *Drosophila melanogaster* 8798.
- DNA, mitochondria, cloning-plasmids, *Drosophila melanogaster* 1301.
- DNA, mitochondria, cross-linking proteins, *Drosophila melanogaster* 1289.
- DNA, nucleotide sequence, *Thermobia domestica* 2127.
- DNA, small circular, *Drosophila melanogaster* 605.
- DNA, spermatozoa, *Locusta migratoria* 4030.
- DNA, transposons, *Drosophila melanogaster* 4018.
- DNA-binding protein, heat shock proteins genes, *Drosophila melanogaster* 7973.
- DNA biosynthesis, *Antheraea polyphemus* pupae 7128.
- DNA biosynthesis, chromosomes puffing, *Drosophila melanogaster* 589.
- DNA biosynthesis, chromosomes replication, *Drosophila virilis* 7122, 7123.
- DNA biosynthesis, epidermis *Manduca sexta* 1600.
- DNA biosynthesis, salivary gland, *Drosophila melanogaster* 7943.
- DNA biosynthesis/RNA biosynthesis, embryogenesis, *Drosophila* 7121.
- DNA cloning, *Drosophila melanogaster* 7940.
- DNA content, *Chorthippus* / *Gomphocerus* / *Heteracris* 8806.
- DNA content, chromosomes translocations, *Drosophila melanogaster* 3138.
- DNA content, embryogenesis, *Bombyx mori* 1288.
- DNA content/compaction, Balbiani rings, *Chironomus tentans* 4016.
- DNA distribution, chromosomes, *Glossina* 4870.
- DNA organization, developmental genetics, *Drosophila melanogaster* 7127.
- DNA organization, *Sciara coprophila* chromosomes 601.
- DNA polymerase α , *Drosophila melanogaster* embryos 2126.
- DNA repair, *Drosophila melanogaster* 4013.
- DNA repair mutants, chromosomes loss, hyperthermia effects on, *Drosophila melanogaster* 9666.
- DNA repetitive sequence, *Drosophila melanogaster* 7932, 7933.
- DNA replication, chromosomes, *Warramaba virgo* 4008.
- DNA replication/transcription, novobiocin effects on, *Drosophila* cells 1304.
- double-stranded DNA, chromosomes, *Chironomus* 4872.
- double-stranded RNA, nuclei, *Drosophila melanogaster* 1291.
- fat body, metamorphosis, *Leptinotarsa decemlineata* 1689.
- follicles transcription, *Antheraea polyphemus* 4021.
- heat shock, *Drosophila melanogaster* 4074.
- isolation/characterization polyribosomes, cells, *Spodoptera frugiperda* 596.
- mitochondria DNA, characterization, *Drosophila melanogaster* 4029.
- NA biosynthesis, oogenesis, *Leucophaea maderae* 4576.
- nuclear DNA, nucleotide sequence, review 1305.
- nucleosides, bound, yolk glycoproteins, *Euscelis* / *Smittia* 7644.
- nucleotide sequence, *Drosophila* 2132.
- nucleotide sequence, heat shock proteins, genes, *Drosophila melanogaster* 9672.
- poly (A)-lacking mRNA, characterization, *Drosophila melanogaster* 4012.
- polyribosomes, isolation, *Drosophila melanogaster* 7131.
- polytene chromosomes, *Rhynchosciara americana* 4884.
- repetitive DNA/chromosomes segments duplication, *Chironomus thummi* 9665.
- ribonucleoproteins, isolation, *Bombyx mori* 4020.
- mRNA, chorion proteins, *Drosophila melanogaster* 2144.
- mRNA, complexity/diversity, silk gland, *Bombyx mori* 7124.
- rRNA, *Drosophila melanogaster* 5729.
- tRNA, gene mapping, polytene chromosomes, *Drosophila melanogaster* 1297.
- RNA, injuries/immune response, *Hyalophora cecropia* pupae 7130.
- RNA, messenger activity, Balbiani rings, *Chironomus tentans* 4028.
- tRNA, nucleotide sequence/codons, silk gland, *Bombyx mori* 4004.
- RNA, phosphates incorporation, *Drosophila melanogaster* 7138.
- RNA, polyadenylation, Balbiani rings, *Chironomus tentans* 602.
- tRNA, queuine, *Drosophila melanogaster* 7133.
- rRNA, thermal stability, *Rhodnius prolixus* 7126.
- rRNA, transcription termination sites, nucleotide sequence 6400.
- RNA biosynthesis/metabolism, heat shock puffing, *Drosophila melanogaster* chromosomes 2141.
- RNA biosynthesis, cytosine arabinoside effects on, *Aedes aegypti* 1329.
- rRNA biosynthesis, diapause termination, *Bombyx mori* 2702.
- mRNA biosynthesis, *Drosophila* embryos 2124.
- RNA biosynthesis, embryogenesis, *Bruchidius obtectus* 2140.
- RNA biosynthesis, epidermis, *Manduca sexta* 6168.
- mRNA biosynthesis, *Manduca sexta* 7939.
- RNA biosynthesis, nucleoli, epidermis, development, *Calpodes* 1843.
- RNA biosynthesis, relationship chromosomes puffing, *Chironomus tentans* 9670.
- RNA biosynthesis, role heat shock proteins, cell culture, *Drosophila melanogaster* 1300.
- RNA biosynthesis, salivary gland, *Lygaeus* 3561.
- RNA biosynthesis, silk gland, *Bombyx mori* 3139.
- RNA biosynthesis, thiourea effects on, *Sarcophaga ruficornis* 3639.
- RNA-complexity, oocytes, *Drosophila melanogaster* 588.
- RNA/DNA levels, metamorphosis, *Hyphantria cunea* 7624.
- RNA gene, cistrons, *Calliphora erythrocephala* 8805.
- rRNA gene, localization, *Drosophila simulans* chromosomes 598.
- tRNA genes, *Drosophila melanogaster* 3134.
- tRNA genes, evolutionary genetics, *Drosophila melanogaster* 590.
- rRNA genes, nucleotide sequence, *Drosophila melanogaster* / *Bombyx mori* 603.
- tRNA genes, nucleotide sequence, *Drosophila melanogaster* 2143.
- mRNA inactivation, radiation (u.v.), *Smittia* embryos 4879.
- tRNA isoacceptors, silk gland, *Bombyx mori* 6394.
- mRNA methylation, embryology, *Bombyx mori* 6392.
- rRNA replication, *Drosophila hydei* 4010.
- RNA sequence complexity, *Musca domestica* / *Drosophila melanogaster* eggs 1287.
- RNA sequence concentration, cells, *Drosophila* 4006.
- RNA translation, *Drosophila melanogaster* 4882.
- mRNA translation, fat body, *Bombyx mori* 4034.
- satellite DNA, *Anopheles stephensi* 7945.
- satellite DNA, nucleotide sequence, *Drosophila* 7934.

Nucleic acids,(continued)

satellite DNA, restriction endonuclease analysis, *Drosophila virilis* 4026.
 satellite DNA, role, speciation, *Drosophila* 6402.
 transcription, diapause, *Celerio euphorbiae* pupae 6403.
 transposons, *Drosophila melanogaster* 1296.
 transposons, foldback sequence, *Drosophila* 9674.
 transposons, termini repeated sequence
 organization *Drosophila melanogaster* 1307.
 uridine metabolism, salivary gland, *Chironomus thummi* 5308.
***Nuculaspis californica*,**
 flight activity/sex ratios, adaptations host plants 9399.
***Nudaurelia anna*,**
 larvae 5248.
***Nudaurelia cytherea*,**
 defoliation *Pinus*, predictions 4826.
***Nudobius*,**
 new species, Mexico 8157.
***Nullana*,**
 new species, Neotropical Region 6642.
***Numicia viridis*,**
 eggs, mortality factors 4733.
Nutrition,
Acheta domestica 4391.
 alcohol, mortality, *Drosophila melanogaster* 9204.
 aliphatic alcohols, *Drosophila* 1672.
 alkaloids diets, *Euxoa messoria* 9333.
 amino acids, Hymenoptera parasites 9206.
 amino acids effects on growth, *Tenebrio molitor* 1663.
 arachidonic acid, *Culex pipiens* 3500.
Arhopalus ferus, food preferences, *Pinus radiata* 1922.
 artificial diets, *Adalia bipunctata* 5429.
 artificial diets, *Anastrepha obliqua* 7503.
 artificial diets, development, *Ennomus subsignarius* 9202.
 artificial diets, lecithins, *Aedes aegypti* 9213.
 artificial diets, *Leptinotarsa decemlineata* 6817, 7493.
 artificial diets, rearing *Chrysopa lanata* 5223.
 artificial diets, rearing *Riptortus clavatus* 7409.
 artificial diets, *Scotogramma trifolii* 7411.
 ascorbic acid/dehydroascorbic acid, *Cydia pomonella* 5299.
 Bombycidae, review 3088.
 carbohydrates, radiation (γ) effects on, *Dacus oleae* 6027.
 carbohydrates effects on development/lipogenesis, *Exeristes roborator* 1659.
 cholesterol, *Heliothis zea* 8405.
 Culicidae 1919.
Dacus dorsalis 175.
Dermestes ater 7576.
 diets, effects on ovary development, *Chrysopa perla* 6881.
 diets, reproduction/development Phytoseiidae 4520.
 diets, *Taraxacum officinale* + chloramphenicol, *Bombyx mori* 8406.
 diets effects on behaviour/development, *Plodia interpunctella* 7089.
 diets effects on esterase, *Myzus persicae* 6799.
 diets effects on excretion, *Aphis fabae* 4395.
 diets effects on fecundity, *Tribolium castaneum* 6144.
 diets effects on β -D-fructofuranosidase activity, *Dysdercus cingulatus* 6800.
 diets effects on reproduction, *Glossina palpalis* 6885.
 diets water content, *Melanoplus sanguinipes* 6806.
Drosophila, productivity, *Candida* 1022.
 effects on aminopeptidase (cytosol), *Drosophila*

melanogaster 5297.
 effects on circadian rhythms haemolymph sugars,
 Diplotychnus indicus 2556.
 effects on coloration, larvae *Helicoverpa armigera* 268.
 effects on development, *Trogoderma glabrum* 5426.
 effects on development/fecundity, *Musca domestica* 9203.
 effects on development/fecundity, *Syrphus corollae* 6163.
 effects on egg production, *Rhodnius prolixus* 3665.
 effects on food preferences, *Phormia regina* 6022.
 effects on infection *Heterotylenchus autumnalis*, *Musca autumnalis* 7551.
 effects on longevity/reproduction, *Wyeomyia smithii* 4726.
 effects on neurosecretion, *Lucilia sericata* 9354.
 effects on oogenesis, *Aedes aegypti* 4573.
 effects on oogenesis/lipids metabolism, *Glossina palpalis* 7627.
 effects on vitellogenesis, *Musca domestica* 6133, 6884.
Euscelis incisus, fungi/bacteria symbionts 957.
 food assimilation, *Chaoborus trivittatus* 5288.
 food assimilation, *Sarcophaga bullata* 9208.
 food availability effects on, *Oncopeltus fasciatus* 4389.
 food quality *Calotropis gigantea* foliage, *Danaus chrysippus* 8407.
 food quality effects on development, *Bombyx mori* 2572.
Heliconia host plants, Insecta 8634.
Humbertiella similis 6028.
Larix host plants suitability, *Pristiphora erichsonii* 9464.
 nitrogen balance, sex differences, *Neodiprion sertifer* 5321.
 nutrient requirements, fatty acids, *Homona coffearia* 3502.
 nutrient requirements, vitamins, *Acyrtosiphon pisum* biotypes 5314.
 nutrient requirements arachidonic acid, *Cultseta* 6033.
 nutrient sources nitrogen, Termitidae 3504.
 nutritional requirements, reproduction, *Dacus oleae* 3503.
 nutritive value *Spirulina geitleri*, Noctuidae 5976.
Oniscus asellus 6219.
Oryza/Triticum diets, *Tribolium castaneum* 8412.
 role microflora, *Rhagoletis completa* 7495.
 sequestering ascorbic acid, *Manduca sexta* larvae 7507.
Solenopsis invicta 8418.
 sterols, *Apis mellifera* 4430.
 sugars effects on survival, *Empoasca fabae* 7516.
 temperature effects, *Acheta domestica* 6145.
Tineola bisselliella 1656.
 tryptophan metabolism, *Pieris brassicae* 4423.
 vitamin E, effects on fecundity, *Chilo partellus* 8415.
 vitamins, *Dacus oleae* 9210.
 water balance, *Mylabris indica* 8403.
 zinc, *Tenebrio molitor* 8409.
***Nyctemera amica*,**
 x *Nyctemera annulata*, hybrids colonies 6439.
***Nyctemera annulata*,**
 x *Nyctemera amica*, hybrids colonies 6439.
Nycteribiidae,
 check lists, Mongolia, People's Rep. 8030.
***Nycteriglyphus*,**
 taxonomy 5812.
Nymphalidae,
 behaviour 5477, 5573, 6173.
 biology/life cycles/taxonomy 2435.
 defence 2820, 2823, 9437.
 development 5334, 5335, 8518.
 diapause 6878.
 ecology 4752, 6966.
 evolution 1354.
 feeding 416.
 hormones 8428.

Nymphalidae, (continued)

host plants 468, 469, 3774, 6948, 9483.
 hybrids 8850.
 intersexes 4947.
 life cycles 393, 9403.
 lipids 7484.
 migration 3819, 8646.
 mimicry 4087.
 morphology 1588.
 new records, Bahama Is. 5761.
 new records, Canada Manitoba 716.
 new records, Crete 4124.
 new records, Italy 696.
 new records, Italy Alps West 694.
 new records, Malta 3229.
 new records, Spain Murcia 705.
 new records, Spain Navarra 3233.
 new species, Dominican Rep. 3395.
 new species, Ethiopian Region 3398.
 new species, Ivory Coast 3396.
 new species, Nigeria 127.
 new species, USA 5199.
 new species, Zaire 3401.
 new species, Zaire/Nigeria 5953.
 new subspecies, Brazil 5198.
 new subspecies, Ethiopian Region 5955.
 new subspecies, Iran 7383.
 new subspecies, Korea, Rep. 8272.
 new subspecies, Sipora I. 113.
 new subspecies, Uganda 3394.
 new subspecies, USA 4283, 7382.
 oviposition 356.
 populations, Canada Quebec 1405.
 reproduction 5437.
 taxonomy 3397, 3399, 3400, 4284, 5952, 5954.
 water balance 2614.
 zoogeography 1376, 4987.
***Nymphalis milberti*,**
 habitats/life cycles 393.
***Nymphicula*,**
 review/new species, Japan 861.
***Nymphula depunctalis*,**
 pathology nuclear polyhedrosis virus 9272.
***Nymphula enixalis*,**
 first records, Finland 5012.
***Nymphula nymphaeata*,**
 life cycles/ecology, Neuchatel L., Switzerland 2922.
***Nyrma kervillea*,**
 taxonomy 3404.
***Nysson spinosus*,**
 sex pheromone 4455.

Oaxacarus,

new genus, Mexico 16.

Oberaea,

host plants, *Parthenium hysterophorus* 466.

***Oberaea erythrocephala*,**

biology 5566.

***Oberaea nigriventris*,**

first record, Korea, Rep. 8024.

***Oberaea ruficeps*,**

new subspecies, USSR 8122.

***Obrimum*,**

new species/new records, Neotropical Region 8125.

***Obudua*,**

new species, Ethiopian Region 5138.

***Occidryas anicia*,**

new subspecies, USA 4283.

***Ochmaea suturalis*,**

pest status 7443.

***Ochromolopsis*,**

distribution, Austria 9735.

***Ochrotrichia*,**

new species, USA 3412.

***Ochthebiidae*,**

new species/new records, Europe 6586.

***Ochthebius*,**

new species, Italy 2323.

***Ochthebius fageli*,**

new subspecies, Yugoslavia 54.

***Ochthera*,**

revision, Neotropical Region 4237.

***Ochthiphila*,**

taxonomy 6605.

***Ochyroceratidae*,**

check lists/new species, Seychelles 5071.

new species, Brazil 1429.

taxonomy 5072.

***Ocnogyna*,**

new species/new subspecies, Greece/coloration 7369

***Octavius*,**

new species, India 6593.

***Octopamine*,**

head, relationship pigmentation, *Locusta migratoria* 1680.

***Ocydromus*,**

new species, Spain 43.

***Odagmia*,**

life cycles/phenology/population structure, Czechoslovakia 1877.

***Odagmia ornata*,**

toxicity chlorpyrifos-methyl/food selection 6873.

***Odiniidae*,**

taxonomy 6615.

***Odoiporus longicollis*,**

ovipositor length, oviposition site selection 203.

***Odonaspis ruthae*,**

phenology 6950.

***Odonata*,**

association *Epistylus cambari* 4735.

biology, review 1079.

check lists, Algeria 1394.

check lists, Argentina Iguazu National Park 8946.

check lists, Canada Quebec 1408.

check lists, Finland 6517.

check lists, France 8055.

check lists, German Dem. Rep. Magdeburg 9741.

check lists, Italy Bologna 707.

check lists, Malaysia 8929.

check lists, Switzerland 7211.

check lists, Turkey 1395.

check lists, Yugoslavia 1396.

check lists/new records, Mauritania 1400.

chromosomes 1319.

communities 7017, 7802.

fauna, Cayman Is. 9759.

glycogen storage 1671.

larvae, pathogenicity *Spinitectus carolini* 2651.

muscles 3466.

new records, New Zealand new records 6493.

phenology 2808.

phoresy 3120.

Odonata, (continued)

predation 6269.
 swimming behaviour, review 1617.
 zoogeography 7995.
Odontofroggata,
 new species, Malaya/Solomon Is./Israel 7363.
Odontomachus haematodes,
 glands, abdomen 1727.
Odontopodisma decipiens,
 new subspecies, Italy 868.
Odontoscopus,
 taxonomy 9077.
Odontota dorsalis,
 pest status, *Sophora***japonica* 9484.
Odontotaenius disjunctus,
 stridulation, anti-predator behaviour 9374.
Odontotaenius zodiacus,
 sound production 7538.
Odontotermes,
 isolation *Sphaerocystis odontotermi* 4497.
 taxonomy 2419.
 trail following behaviour 8601.
Odontotermes distans,
 pest status, Nepal Kathmandu 5780.
Odontotermes obesus,
 aggregation behaviour/food preferences 6060.
 cuticle, resilin 211.
 nests, humidity/temperature 3747.
 nests, relationship vegetation type, India 3854.
Odynerus,
 parasitism 6973.
Oecanthus nigricornis,
 communication, mating/courtship 6177.
 feeding/mating behaviour 1112.
Oechalia schellenbergii,
 development/predation *Paropsis charybdis* 6935.
Oeciacus vicarius,
 transmission western equine encephalitis virus + strains,
Passer domesticus 1933.
Oecobiidae,
 check lists/ecology, USSR Badkhyz 20.
 glands 2633.
 taxonomy 5817.
Oecobius,
 new species, Canary Is. 5817.
Oecophora bractella,
 first record, British Isles Gloucestershire 6491.
Oecophoridae,
 attractants 976.
 check lists, British Isles Cheshire/North Wales 8010.
 new records, British Isles Gloucestershire 6491.
 new records, Netherlands 2237.
 new records, Spain 9738.
 taxonomy 6671.
Oecophylla longinoda,
 communication, pheromones 8648.
Oecothea,
 new species, Hungary 1480.
Oedalea,
 taxonomy 7310.
Oedaleus,
 revision/zoogeography, Ethiopian Region 8288.
Oedaleus senegalensis,
 behaviour/ecology/zoogeography 5692.
 eggs, development/mortality, Sahelian zone 3884.
Oedemagena tarandi,
 eggs, ultrastructure/functional morphology 7448.

Oedemeridae,
 new records, British Isles 6471.
 taxonomy 3320.
 zoogeography 3248.
Oedemopsis scabricula,
 first record, Canada 8070.
Oedipoda,
 meiosis 9682.
Oedipoda miniata,
 diapause, reproduction 5403.
Oedoparena,
 new species, Nearctic Region 8189.
Oedoparena glauca,
 life cycles/predation *Balanus* 9398.
Oedothorax,
 taxonomy 5821.
Oedothorax fuscus,
 biometrics 2471.
Oemona hirta,
 biological control 8757.
Oenets,
 abundance/distribution, annual variations, Fenno-Scandia
 8920.
Oestridae,
 check lists, Mongolia, People's Rep. 8030.
 chemical control 521.
 development 6893.
 eggs 7448.
 enzymes 6805.
 immature stages 2478.
 immature stages/life cycles 1569.
 parasitism 2850, 2974, 3772, 8717.
 pests 3024, 5652.
 zoogeography 8001.
Oestropsyche,
 revision 4304.
Oestrus ovis,
 pupae, development, temperature effects 6893.
Ogyris amaryllis,
 host selection, role Formicidae 6265.
Oides,
 chromosomes 8812.
 new species, Papua New Guinea/West Irian 5090.
Oiketicus platensis,
 pest outbreaks, Coleoptera inquilinism, Argentina 1974.
Okeanobates,
 new species, USA 1538.
Oldenbergiella,
 new species, Hungary 1480.
Oleria,
 taxonomy 847.
Olesicampe monticola,
 parasitism *Cephalcia lariciphila* 3993.
 parasitism *Cephalcia lariciphila*, host location 9229.
Olethreutes fuligana,
 first record, Denmark 679.
Olethrentini,
 pupae, morphology/taxonomy 893.
Oliarus vicarius,
 ecology/phenology 7822.
Oligia dubia,
 first record, Switzerland 8922.
Oligocene,
 amber, fossils Formicidae, Dominican Rep. 827, 828.
 Chernetidae fossils, amber, Dominican Rep. 2294.
Oligomerus,
 new records, Canada Quebec 2244.

- Oligoneuriidae**,
taxonomy 5133.
- Oligonychus**,
pest status, El Salvador 7229.
- Oligostia**,
new species, Malagasy Rep. 9086.
- Oligosita numiciae**,
parasitism *Numicia viridis* 4733.
- Oligothrips**,
taxonomy/phylogeny 2444.
- Oliveria**,
taxonomy 5123.
- Oliveridia**,
taxonomy 5123.
- Olonthogaster**,
taxonomy 6590.
- Olipiidae**,
new species, USA 4180.
- Olpium**,
new species, India 7263.
- Olycella subumbrella**,
biology 7684.
- Olynx**,
new species, Mongolia, People's Rep. 1511.
- Omalini**,
revision, Italy Romagna 3335.
- Omalotettix**,
taxonomy/chromosomes 5960.
- Omalus**,
check lists, Spain 5010.
- Omocestus bolivari**,
polysomy/supernumerary isochromosomes 4907.
- Omonadus**,
new species, Tanzania 5077.
- Omophlina**,
new species, USSR 2299.
- Omphrale fenestralis**,
pupae 1579.
- Omphralidae**,
pupae 1579
- Oncideres**,
new species, Argentina/Bolivia/Brazil 8128.
- Oncideres impluviata**,
geographical distribution, Brazil 2060.
- Oncideres saga**,
geographical distribution, Brazil 2060.
- Oncometopia orbona**,
biology/ecology, USA Florida 3094.
- Oncopeltus**,
diapause, photoperiod effects on 1028.
resource utilization/competition *Asclepias curassavica* seeds
1132.
- Oncopeltus fasciatus**,
acid phosphatase distribution, juvenile hormones effects on
2729.
development, juvenile hormones analogues 8520.
development/reproduction, diflubenzuron effects on 8525.
feeding/reproduction, food availability effects on 4389.
host preferences, *Asclepias* host plants 1982.
juvenile hormones activity *Ocimum basilicum* plant extracts
2887.
life cycles, *Nerium oleander* host plants 1144.
migration, precocene effects on 4543.
moulting induction 3679.
oviposition 422.
percent gland accessory gland secretions 2620.
vitellogenesis, hormones 5434.
- Oncopera alboguttata**,
pathology, *Pleistophora oncoperae* 3581.
- Oncyclocotis tasmanicus**,
biology/immature stages 9417.
- Onesia**,
new species, New Caledonia 6604.
- Oniscus asellus**,
carbohydrates metabolism 8426.
epicuticle formation/sense organs 1604.
feeding/nutrition 6219.
- Onocephala**,
taxonomy 771.
- Onocolus**,
new species, Brazil 4172.
- Onomastus**,
taxonomy 8106.
- Onopelmus**,
new genus, Peru 8141.
- Onthophagini**,
genitalia morphology 164.
- Onthophagus**,
predation 8680.
- Onthophagus gazella**,
life cycles, Africa, Sahelian Zone 9386.
role nitrogen cycle, grasslands 2929.
- Onthophagus granulatus**,
development/phenology/reproduction 7804.
- Onthophagus mederensis**,
larvae 899.
- Onthophagus taurus**,
new records, USA 9748.
- Onthophilus**,
revision, Nearctic Region 3318.
- Onychiuridae**,
chromosomes 6415.
ecology 9511.
feeding 5534, 5537.
life tables 4755.
new species, France 1465.
new taxa 62.
predation 1988.
taxonomy 2347.
- Onychiurus**,
chromosomes, relationship habitats 6415.
life tables/energy flow, soil 4755.
new species, France 1465.
taxonomy 2347.
- Onychiurus armatus**,
predator-prey interactions *Pergamasus crassipes* .
mathematical models 1988.
- Onychiurus fimatus**,
food preferences 5537.
- Onychiurus subtenuis**,
food preferences 5534.
- Onychothecus**,
new species, China, People's Rep. 5111.
- Onymacris plana**,
osmoregulation 4472.
- Oocassida**,
immature stages 2475.
- Ooconus**,
new species, Norway 2409.
- Ooencyrtus ennemophagus**,
rearing 4322.
- Oogenesis**,
apholate effects on, *Dysdercus koenigii* 3633.
- Cnaphalocrocis medinalis** 359.

Oogenesis,(continued)

- colchicine effects on nuclei-cytoplasm relationship,
Chrysomya megacephala 2742.
 diets effects on, *Lucilia cuprina* 1844.
 duration, *Drosophila melanogaster* 1829.
 ecdysterone role, *Aedes aegypti* 1840.
 effects on host searching behaviour, *Aedes aegypti* 4376.
 environmental effects, *Drosophila mimica* 3656.
 juvenile hormones, *Leucophaea maderae* 5323.
Lyperosia exigua 1784.
Mansonia richiardi 3670.
Musca domestica 1847.
 oocytes, calcium content, *Galleria mellonella* 3512.
 proteins biosynthesis, *Drosophila melanogaster* 350.
 RNA biosynthesis, thiourea effects on, *Sarcophaga ruficornis* 3639.
 role hormones, *Phormia regina* / *Sarcophaga bullata* 3659.
Scaptotrigona postica 1024.
 temperature effects, Tabanidae 331.
 triphenyltin compounds effects on, *Musca domestica* 2718.
 ultrastructure, *Lepismachilis targionii* 348.
 ultrastructure oocytes nuclei, Tenebrionidae 3450, 3451.
- Oonopidae**,
 new species, Brazil 1429.
 pathology 290.
- Oontelus**,
 elytra, structure 3445.
- Oopsis**,
 taxonomy 3309.
- Ootetrastichus beatus**,
 parasitism *Numicia viridis* 4733.
- Operophtera**,
 parasitism, Canada British Columbia 6972.
- Operophtera bruceata**,
 biological control 4803.
- Operophtera brumata**,
 integrated control 8738.
 predation 6282.
- Ophiomegistus**,
 new species, Australian Region 4157.
 new species, Malaysia 6550.
- Ophiomyia**,
 pest resistance *Glycine max* / *Vigna radiata* 1140.
- Ophiomyia centrosematis**,
 chemical control 3051.
- Ophiomyia phaseoli**,
 pest resistance *Phaseolus vulgaris* 457.
- Ophiomyia simplex**,
 traps, visual preferences 4439.
- Ophion**,
 new species, Israel 4269.
- Ophionyssus**,
 new species, New Zealand 2274.
- Ophonus**,
 revision 7270.
- Ophraella**,
 genitalia 2491.
- Ophyra aenescens**,
 first record, German Dem.Rep. 5003.
- Opilio**,
 ecdysones secretion, leg oenocytes 9222.
- Opiliones**,
 check lists, Poland Kulin Nature Reserve 9723.
 check lists/ecology, British Isles Inchcailloch I. 3890.
 communities 7043, 9547.
 communities, forests, Scotland 3852.
 hormones 9222.
- taxonomy 1437, 5827, 7259.
- Opisina**,
 taxonomy 6671.
- Opisthacanthus lepturus**,
 taxonomy 7266.
- Opisthophthalmus**,
 new species/new records, South Africa 7265.
- Opisthothrips**,
 taxonomy/phylogeny 2444.
- Opistocyclus**,
 taxonomy 83.
- Opius**,
 new records, Neotropical Region 1506.
 new species, Austria 8244.
 new species, Korea 1505.
 new species, USSR 6659.
- Opilits**,
 new records, Czechoslovakia 5062.
- Oporinia autumnata**,
 pest outbreaks, *Formica aquilonia* effects on *Betula pubescens* survival 2935.
 population dynamics, role *Betula pubescens* defence mechanisms 2899.
- Opostegidae**,
 taxonomy 9090.
- Oppia**,
 new species, Morocco 6540.
 new species, USSR 5807.
- Oppia ornata**,
 new subspecies, Tunisia 2282.
- Oppiella nova**,
 new subspecies, USSR Kursk 5806.
- Oppliidae**,
 new records, Egypt, Arab. Rep. 1421.
 new species, Spain 6549.
 taxonomy 5805.
- Opsius stactogallus**,
 new records, Azores 7238.
- Oratemnus**,
 new species, India 7260.
- Orchelimum**,
 taxonomy 60.
- Orchesella cincta**,
 orientation, rheotaxis 4600.
 population dynamics 7824.
 water balance, cuticle 4471.
- Orchesellinae**,
 taxonomy 4219.
- Orchopeas howardi**,
 parasitism dogs/cats, British Isles London 7066.
 pathology, *Leptomonas* 7557.
- Oreina**,
 chromosomes, evolutionary genetics 8824.
- Organophosphates**,
 interaction phthalates, toxicity, *Musca domestica* 1774.
- Organophosphoramides**,
 toxicity/control *Heliothis* 3937.
- Organotin compounds**,
 control/toxicity, *Keiferia lycopersicella* 2101.
- Orgilus elasmopalpi**,
 parasitism *Elasmopalpus lignosellus* 7733.
- Orgilus pimpinellae**,
 first record, Romania 8616.
- Orgyia**,
 interspecific hybridization/alary dimorphism 3164.
 taxonomy 856.

- Orgyia antiqua*,**
disruption pheromones communication 2768.
- Orgyia leucostigma*,**
mating behaviour 9364.
- Orgyia pseudotsugata*,**
absorption/metabolism diflubenzuron 5380.
bioassays, *Bacillus thuringiensis* activity 2644.
distribution cocoons, *Pinus* 1190.
hatching/dispersal 3722.
nuclear polyhedrosis virus, isolates, antigenic relationship/
monitoring 1001.
pest resistance *Pseudotsuga menziesii* 9478.
population dynamics 9534.
population dynamics, mathematical models 1169.
- Orgyiidae,**
taxonomy 856.
- Oribatei,**
check lists/new species, Philippines 2280.
check lists/new species, Tunisia 2282.
communities, altitude effects on distribution, Fujisan Mt.,
Japan 513.
feeding/life cycles 9434.
new species, Cuba 1424.
new species, Italy 8967.
new species/new records, Egypt, Arab. Rep. 1421.
new species/new records, USSR 9.
phenology/community composition, alpine environments,
Austria Obergurgl 3841.
taxonomy 2281, 4155.
- Oribatellidae,**
new records, Egypt, Arab. Rep. 1421.
- Oribatulidae,**
new species/new records, Egypt, Arab. Rep. 1421.
- Oriental Region,**
geographical distribution *Apis* 1504.
new species Agaonidae 6651.
new species Cicadellidae 5921, 9069.
new species Curculionidae 8138.
new species Dermaptera 8172.
new species Histeridae 7285.
new species Lucanidae 2325.
new species Megachilidae 5936.
new species Nitidulidae 7290.
new species Rapismatidae 6688.
new species Staphylinidae 8165.
new species Tenebrionidae 4216.
revision *Aedes* 3349.
revision *Anubis* /*Polyzonus* 2312.
revision *Liparochnus* 6580.
revision Mictini 5134.
revision *Octavius* 6593.
revision Poemeniini 5172.
zoogeography Cicadoidea 1502.
- Orientation,**
ameotaxis/geotaxis/phototaxis, flight, *Scolytus multistriatus*
1070.
cocoons, *Osmia lignaria* 1868.
compensation movements, head, *Lucilia serricata* 2552.
light, visual stimuli, *Calliphora erythrocephala* 2765.
light, visual stimuli, *Syrirta pipiens* 2766.
head movements, visual stimuli, *Tenebrio molitor* 1866,
1867.
humidity, *Hylobius abietis* /*Tenebrio molitor* 366.
light, *Gryllus bimaculatus* 4601.
locomotion, mathematical models, Arthropoda 365.
magnetic fields, *Apis mellifera* 1869.
- Paltothyreus tarsatus* 3696.
phototaxis, acetylcholinesterase temperature-sensitive
mutant, *Drosophila melanogaster* 8852.
phototaxis, *Chaoborus punctipennis* larvae 3698.
phototaxis, environmental factors, *Galleria mellonella* larvae
4606.
phototaxis, proteins biosynthesis role, *Popilius disjunctus* /
Tenebrio molitor 1642.
polarized light, *Apis mellifera* 3697.
Tomaspis insignita 2805.
visual stimuli/pheromones response, courtship, *Cydia*
pomonella 352.
walking, *Cicindela* 367.
walking, *Geotrupes* 215.
- Orientosoma,**
new genus, Korea, Dem. People's Rep. 1536.
- Orientus ishidae,**
life cycles 5627.
- Oripodidae,**
new species, Japan 4156.
- Orius,**
new species, Nigeria 2381.
spatial distribution, *Gossypium hirsutum* 2971.
- Orius insidiosus,**
development, temperature effects 9331.
flight, altitude/seasonal variations 9430.
population dynamics, phenology 8687.
- Orius tristicolor,**
foraging behaviour 7714.
- Ormenoides venusta,**
feeding communities 6291.
- Ormiscodes rufosignata,**
parasitism/biological control 5691.
- Ornithodoros,**
population density effects on moulting 4740.
taxonomy 4152.
transmission *Rickettsia* , *Psammomys obesus* 2052.
vectors, *Borrelia* 8726.
- Ornithodoros ambulus,**
life cycles 9402.
- Ornithodoros concanensis,**
aggregation pheromone 9230.
- Ornithodoros coriaceus,**
development, precocene effects on 342.
transmission *Chlamydia* , cattle 3010.
- Ornithodoros maritimus,**
infection Soldado virus 9262.
- Ornithodoros savignyi,**
spermatophores, spermine 3536.
transmission Rift Valley fever virus 3023.
- Ornithogastia,**
revision, Papua New Guinea 4162.
- Ornithomya fringillina,**
first record, Czechoslovakia 673.
- Ornithonyssus,**
review, Australia 757.
- Ornithonyssus sylviarum,**
chemical control 2019, 2051, 9561.
cultural control 2044.
dispersal, poultry housing 3817.
pest resistance chickens 3768.
- Ornithoptera,**
taxonomy, book 742.
- Ornithoptera paradisea,**
taxonomy 7385.
- Orostygia,**
ecological genetics, enzyme polymorphism 4967.

- Orothytis**,
taxonomy 6680.
- Orphulella**,
new species, Neotropical Region 143.
- Orphulella intricata**,
parasitism 2838.
- Orphulellini**,
new taxa, America 143.
- Orseolia oryzae**,
chemical control 3087.
damage *Oryza sativa*, India 2866.
infestations, *Oryza sativa*, Java 9628.
- Orsodacne**,
biology/geographical distribution, British Isles 9412.
- Orthaga euadrusalis**,
pathology *Aspergillus flavus* / *Beauveria bassiana* / *Serratia marcescens* 6849.
- Orthellia**,
taxonomy 1468.
- Orthemis ferruginea**,
aggregation/feeding behaviour 5512.
- Orthetrum chrysis**,
haemolymph chemical composition 5283.
- Orthetrum sabina**,
amino acids 6802.
- Orthocladinae**,
taxonomy/chromosomes 3348.
- Orthocladius**,
chromosomes 4047.
new records/check lists, Italy 674.
- Orthopodomyia alba**,
first record, USA West Virginia 5030.
- Orthopodomyia signifera**,
first record, USA New Hampshire 8936.
- Orthoprosopa**,
taxonomy/phylogeny 2371.
- Orthoptera**,
check lists, British Isles Somerset/Avon 8014.
check lists, China, People's Rep. Xinjiang Uighur 8057.
chemical control 9621.
communication 6177.
digestion 5241.
digestive systems 5287.
ecology 3851.
enzymes 5306, 5315.
fat body 5309.
food preferences, gut adaptations 1661.
glycogen storage 1671.
new records, New Zealand Urewera National Park 6464.
new species/new records, Spain 5959.
nucleic acids 8806.
pests 8732.
phenology 5519.
sampling 8307.
- Orthosia hibisci**,
chemical control 9599.
- Orthostira**,
taxonomy 6636.
- Orthotomicus erosus**,
association *Ceratocystis ips* 7787.
- Oryctes nasicornis**,
digestion 2575.
digestion, cellulose 6781, 6786.
larvae, cellulose metabolism 6035, 6044.
- Oryctes rhinoceros**,
biological control 3986.
muscles, thorax 4355.
- pathology *Acinetobacter calcoaceticus* 9266.
- Oryzaephilus**,
revision 790.
- Oryzaephilus acuminatus**,
development, environmental factors 7579.
- Oryzaephilus mercator**,
repellents, diethyltoluamide *Oryzaephilus surinamensis*,
repellents, diethyltoluamide 3551.
- Oryzaephilus surinamensis**,
radiation (γ), lethal dose 326.
susceptibility chitin inhibitors 1049.
- Osbornellus**,
new species, Jamaica 3368.
- Oscinella**,
phenology 5518.
- Oscinella frit**,
larvae, pest status/damage *Zea mays* 551.
oviposition, pest resistance *Avena* 6996.
- Osmanothrips**,
taxonomy/phylogeny 2444.
- Osmia coerulescens**,
foraging behaviour/Pollination *Trifolium pratense* 8623.
- Osmia lignaria**,
cocoons, orientation 1868.
cocoons construction/orientation 2784.
- Osmilia flavolineata**,
food selection, *Passiflora* leaves 4700.
- Osmoregulation**,
adaptations deserts, *Arenivaga* 9246.
atmosphere water uptake, Arthropoda, review 6825.
cuticle, *Orchesella cincta* / *Tomocerus minor* 4471.
cuticle water activity/water content, Coleoptera/Scorpiones 8436.
dehydration, *Trichostetha fascicularis* 6829.
development, *Lucilia cuprina* 4582.
diuresis, hormones, Lepidoptera 6828.
gills, adenosinetriphosphatase, *Paragnetina media* 4469.
haemolymph, amino acids, *Acheta domestica* 6025.
haemolymph ions, development, *Galleria mellonella* 9244.
hormones, *Locusta migratoria* 9224.
ions regulation, anal papillae, *Aedes togoi* 3556.
ions role, rectum, *Calliphora* 6827.
ions transport, larva gland, *Drosophila virilis* 9243.
larvae case construction, *Tinea pellionella* 5341.
Onymacris plana 4472.
osmotic pressure haemolymph/Malpighian tubules/rectum, *Dermestes* / *Galleria* / *Pieris* / *Tenebrio* 1711.
Paragnetina media 2617.
role brain, *Locusta migratoria* 217.
role pyloric gland secretions, *Glomeris marginata* / *Polydesmus angustus* 1720.
salinity effects, *Trichocorixa reticulata* 5340.
Semiadalia undecimnotata 2619, 9247.
sodium chloride, ion exchange, pH effects, *Corixa* 4466.
water balance, *Amblyomma hebraeum* 1712.
water balance, *Cystodemus armatus* 6826.
water balance, *Drosophila mimica* 5342.
water balance, effects on survival, *Drosophila mimica* 5343.
water balance, environmental effects, Lepidoptera 2614.
water balance, *Glycyphagus domesticus* 6830.
water balance, gut ultrastructure, *Pyrilla perpusilla* 948.
water balance eggs *Diplonychus* 1854.
water content, diets, *Melanoplus sanguinipes* 6806.
water transport, rectum, *Periplaneta americana* 6031.
zinc pollution effects, *Simulium ornatum* 4465.
- Ostrinia furnacalis**,
larvae, host plants growth effects on development 7765.

***Ostrinia furnacalis*, (continued)**

life cycles/population dynamics/natural enemies 399.
sex pheromone 4460.
***Ostrinia nubilalis*,**
artificial infestations 8312.
biogenic amines, metabolism 6040.
chemical control 3038, 5706, 8746.
circadian rhythms oviposition 4380.
development, ecdysone/prothoracicotropic hormone 5440.
diapause, juvenile hormones 6130.
diapause, review 5402.
diapause, role juvenile hormones 2704.
diapause, sex linkage, environmental factors 8512.
evolutionary genetics, divergence, enzymes 6445.
juvenile hormones analogues, effects on development 343.
larvae, susceptibility *Bacillus thuringiensis*, age/antibiotics effects on 9265.
life cycles/pest status, *Triticum* 7692.
pathology *Nosema pyrausta*/parasitism *Macrocentrus grandii* 280.
pest resistance *Zea mays* 3802, 6248, 8640.
pest status/chemical control, *Solanum* crops, USA Ohio 544.
pesticide resistance 1762.
population dynamics/pest status, Israel 3850.
sex pheromone response 3555.
temperature effects on flight 9422.
toxicity aflatoxins 297.
toxicity diflubenzuron, eggs 6102.
toxicity plant extracts, *Thevetia thevetiodes* seeds 2891.
***Otiorthynchus lugdunensis*,**
first record, Poland 1367.
***Otiorthynchus rotundatus*,**
biology/ecology/chromosomes 2803.
***Otiorthynchus salicis*,**
polymorphism, parthenogenesis, population genetics 2183.
***Otiorthynchus sulcatus*,**
host plants, effects on reproduction 9468.
***Otiorthynchus cribricollis*,**
pest status, Italy Apulia 567.
***Otiorthynchus equestris*,**
Nosema infection 6845.
Otitidae,
host plants 7764.
Otocephidae,
new species, Philippines 2280.
Otiodes cynotis,
parasitism cats 3770.
Oulema,
taxonomy 4197.
***Oulema melanopus*,**
biological control 5704.
chromosomes 5734.
development/fecundity, geographical variations 5587.
insecticides toxicity 1777.
pest resistance *Hordeum vulgare* 1153.
***Oulema oryzae*,**
population density threshold, chemical control 7904.
Oulimnius,
new species, Portugal 2320.
***Oulimnius major*,**
first record, British Isles 6465.
Ovary,
aging methods, *Simulium damnosum* 1553.
biometrics, *Gastrimargus transversus* 1023.
cytology/histochemistry, *Lyperosia exigua* 1784.
detection *Wolbachia*, Culicidae 1746.
development, role hormones, *Aedes atropalpus* 1832.

2,22-dideoxy-20-hydroxyecdysone isolation/characterization, *Bombyx mori* 1692.
ecdysteroids, *Galleria mellonella* 2599.
metabolism, *Macrotermes subhyalinus* /*Nauphoeta cinerea* 2593.
oocytes/corpus luteum degeneration/reabsorption, histochemistry/ultrastructure, *Poeciloceropus pictus* 1839.
ovarioles, Chrysomelidae 2699.
ovarioles, glycogen biosynthesis, thiourea effects, *Sarcophaga ruficornis* 1033.
ovarioles, relationship fecundity, *Aphis fabae* 2745.
ovarioles development, *Apis mellifera* 2700.
proteins biosynthesis, Culicidae 347.
reproductive status, Drosophilidae, winter, Japan 1909.
Scaptotrigona postica 1024.
tissue culture, *Bombyx mori* 2497.
ultrastructure, oogenesis, *Mansonia richiardii* 3670.
Overwintering,
Apis mellifera nests 1099.
Bruchophagus roddi, Argentina 2253.
Culiseta annulata, USA Baltimore 3250.
Eristalinus aeneus, Netherlands 383.
Sextius virescens, Australia Acacia 1094.
snow cover effects on, *Diplolepis* 370.
spatial distribution, *Blissus leucopterus* 486.
Oviposition,
acaricides effects on, *Boophilus microplus* 1042.
Aedes, seasonal variations 1827.
Amblycerus 4331.
attractants, *Raphanus sativus* volatiles, *Delia brassicae* 2895.
Bathycoelia thalassina 1862.
behaviour, effects on sex ratios, *Trissolcus grandis* 1859.
Boophilus annulatus 319.
Boophilus microplus 318.
Callosobruchus maculatus, mathematical models 2764.
Composoma 1097.
Culex quinquefasciatus 405.
Delia brassicae 1174.
Deraeocoris nebulosus 2477.
diets effects on, *Culex nigripalpus* 1799.
eggs dispersion, *Pyrilla perpusilla* 1978.
electric fields/magnetic fields effects on, *Kaloterme flavicollis* 2726.
environmental effects, *Amblyomma americanum* 2734.
environmental effects, *Tetranychus ludeni* 3636.
environmental effects/predation, *Tipula sacra* 1895.
environmental factors, *Amblyomma variegatum* 9336.
Ephestia cautella 1061.
genotype-environment interactions, *Tribolium castaneum* 2175.
host plants effects on, *Empoasca kraemerii* 1882.
host preferences/site selection, *Cydia pythorae* 3798.
host selection, *Cannabis sativa* plant extracts, *Pieris brassicae* 2893.
host selection, evolution, *Battus philenor* 1060.
host selection, *Heliconius hecale* 356.
host selection, *Pieris rapae* 1822, 1944.
mating effects on, *Ceratitis capitata* 1858.
methanol effects on, *Drosophila pachea* 1044.
neurosecretion, exocytosis, aorta, *Labidura riparia* 3567.
new records host plants, *Euphydryas phaeton* 469.
Nezara viridula 364.
Oedaleus senegalensis 3884.
Oryza sativa effects on, host preferences *Sitotroga cerealella* 2863.
Pegomya 2814.

Oviposition,(continued)

- phenology, *Culex pipiens* 2756.
 relationship weight, *Boophilus microplus* 2750.
 resource utilization, host plants, *Magdica* 2762.
Rhopalum clavipes on *Ptychoneura cylindrica* 1860.
 site selection, *Aleurodicus dispersus* 2877.
 site selection, behavioral genetics, *Drosophila melanogaster* 4075.
 site selection, behavioural genetics, *Drosophila melanogaster* 1332.
 site selection, colour preferences, *Drosophila melanogaster* 1056.
 site selection, *Empoasca kraemeri* 1942.
 site selection, ovipositor length, *Odoiporus longicollis* 203.
 site selection, *Sialis* 920.
 site selection, soil moisture effects on, *Aedes vexans* 1067.
 site selection, soil moisture/planting density effects on, *Delia antiqua* 1032.
 soil irrigation effects on, *Heliothis zea* 1248.
 soil moisture effects on, *Phyllophaga crinita* 1876.
Ovobathysciola,
 new species, Sardinia 9001.
Oxamyl,
 control *Tetranychus cinnabarinus* 1228.
Oxelytrum,
 taxonomy 2335.
Oxya japonica,
 starvation, metabolism/oogenesis 7496.
Oxya nitidula,
 chromosomes variations 4052.
Oxya velox,
 accessory gland 8500.
Oxyagrion,
 taxonomy 1527.
Oxyagrion evanescens,
 larvae 1567.
Oxybelus,
 nesting behaviour/predatory behaviour 7681.
Oxycera morrisii,
 first record, Netherlands 3211.
Oxydesmidae,
 new species, Kenya/Tanzania 5221.
Oxyethira,
 new species, Canada 6705.
 new species, USA 4303.
 revision, Australia 8294.
Oxygen,
 oxygen consumption, fasting effects on, *Bombyx* 9220.
 oxygen consumption relationship zinc elimination, *Acheta domestica* 1686.
 role, diapause, *Bombyx mori* 3660.
 role spatial distribution Ephemeroptera 400.
Oxyopes sakuntale,
 neurosecretion 2534.
Oxyopidae,
 neurosecretion 2534.
Oxypoda,
 new species, Sweden 2340.
Oxypoda tarda,
 first record, German Dem. Rep. Thuringia 1364, 2215.
Oxyrhachis tarandus,
 embryology, head 9310.
 feeding behaviour, chemical stimuli 6968.
Oxytelopsis,
 new species, India 7300.
Oxytelus migrator,
 first record, German, Dem. Rep. 1363.
 first record, German Dem. Rep. 3197.
Ozodiceria,
 new species, Neotropical Region 1487.
Ozola minor,
 biology/pest status, *Gmelina arborea*, Philippines 1884.
Ozophora,
 new species, Cocos (Keeling) Is. 8215.
Pachliopta,
 taxonomy 6676.
Pachyanthrax,
 new species, Insecta 8177.
Pachybrachis exisus,
 taxonomy 9004.
Pachybrachys,
 new species, Mongolia, People's Rep./China, People's Rep. 5846.
Pachychernes,
 new species, fossils, Dominican Rep. 2294.
Pachycondyla laevigata,
 pygidial gland, trail pheromone 4477.
Pachycondyla obscuricornis,
 tandem running pheromones 2771.
Pachycrepoides vindemiae,
 nutrition, amino acids 9206.
 parasitism *Musca domestica* 1119.
Pachygastris trifolii,
 biology, Spain Huelva/Cadiz 3232.
 new subspecies, Spain 7375.
Pachygenia,
 taxonomy 2377.
Pachygnatha,
 revision, Nearctic Region 1430.
Pachygnatha clercki,
 biometrics 2471.
Pachygnatha degeeri,
 new subspecies, Morocco 760.
Pachygnathidae,
 new records, South Orkneys 4977.
Pachyhalletus,
 taxonomy 5170.
Pachymerinae,
 larvae 4334.
Pachynematus,
 new species/new records, British Isles Scotland 4278.
Pachynematus sulcatus,
 taxonomy 106.
Pachyneuron,
 taxonomy 5925.
Pachynoda sinuata,
 flight, aerodynamic properties 2514.
Pachyscelis,
 check lists, USSR Turkmenia 6505.
Pachysternum,
 taxonomy 1455.
Pachystola,
 taxonomy 1026.
Pachytychius,
 revision, Palaearctic Region 2318.
Pacific Ocean Islands,
 geographical distribution *Aedes albopictus* 4984.
 new species Cercopidae 7336.
 new species Chrysomelidae 45.

- Pacific Ocean Islands,(continued)**
 revision *Conocephalus* 5963.
- Pacific Ocean Islands South,**
 new species Pseudococcidae 5152.
- Pacula,**
 new species, Borneo 8975.
- Paculidae,**
 new species, Borneo 8975.
- Paczoskia,**
 taxonomy 6640.
- Paederus,**
 check lists/new species, Papua New Guinea 4212.
- Paederus sabaeus,**
 integrated control 9562.
- Paganalia virescens,**
 taxonomy 4254.
- Pagaronia,**
 new species, Korea, Rep./Japan 5147.
- Pailionidae,**
 taxonomy 858.
- Paimbia,**
 new genus, fossils, Carboniferous, USSR 3407.
- Pakistan,**
 first record *Niphadoses gilviberbis* 1566.
 new records *Brahmaea wallichii* 7217.
 new species Aleyrodidae 8224.
 new species Carabidae 3307.
 new species Cicadellidae 8233.
 new species Coreidae 809.
 new species Cydnidae 7328.
 new species Hoplopleuridae 8110.
 new species/new records Pakistan 7345.
 new species Pentatomidae 7332.
 new species Pyralidae 862.
 new subspecies Buprestidae 5838.
 new subspecies *Carabus baronii* 2308.
- Pakistan Karachi,**
Mangifera indica pests 3099.
- Pakistan Swat,**
 pest outbreaks *Dasychira*, *Pinus roxburghii* forests 3080.
- Palaeacaridae,**
 new subspecies, Japan 4150.
- Palaeacarus hystrixinus,**
 new subspecies, Japan 4150.
- Palaearctic Region,**
 check lists *Cauchas* 2422.
 evolution/zoogeography *Silpha obscura* 2334.
 geographical distribution *Euonthophagus* 55.
 geographical distribution *Euphydryas maturna* 1376.
 geographical distribution/host plants Curculionidae 9725.
 geographical distribution *Lethocerus* 5908.
 keys *Beris* 7318.
 keys Scelionidae 6666.
 new species Aphidiidae 5157.
 new species Carnidae/Lauxaniidae 8173.
 new species Chloropidae 8184.
 new species Curculionidae 5094, 8138.
 new species Diptera 8175.
 new species Lauxaniidae/Carnidae 6600.
 new species Mutillidae 9082.
 new species Mycetophilidae 7314.
 new species Staphylinidae 57, 3332, 5869.
 new species Trichoptera 869.
 phylogeny/taxonomy/zoogeography *Nephrotoma* 9060.
 review *Blepharita* 2434.
 revision *Anthaxia* 1440.
 revision *Anubis* /*Polyzonus* 2312.
- revision *Aphanotrigonum* /*Aphanotrigonella* 6609.
 revision *Chromatomyia* 2352.
 revision *Idris* 840.
 revision *Meteorus* 4261.
 revision *Pachytychius* 2318.
 revision *Psammodytes* 1439.
 taxonomy/geographical distribution Tineidae 4288.
 zoogeography Gerridae 7994.
 zoogeography Psylloidea 1358.
- Palaeodictyoptera,**
 fossils, Permian, USA Oklahoma 3295.
- Palaeomicra,**
 taxonomy 1519.
- Palaeopsylla minor,**
 pathology, *Leptomonas* 7557.
- Palamnaeus bengalensis,**
 cuticle ultrastructure/biochemistry, wounds 6745.
- Palatka nymphaeella,**
 larvae/host plants 7440.
- Palausybra tokaraensis,**
 new subspecies, Japan 2313.
- Paleokoenenia,**
 new genus, fossils, USA 3291.
- Pales,**
 new species, Europe 806.
- Pales ferruginea,**
 chromosomes, meiosis 8821.
- Palingenia,**
 larvae, sex differentiation 6739.
- Palingeniidae,**
 immature stages 6739.
- Pallopteridae,**
 new species, Corfu/Israel 8194.
- Palmacorixa nana,**
 oviposition site selection 7666.
- Palpigrada,**
 taxonomy 3291.
- Palpimanidae,**
 new species/new records, Seychelles 5073.
- Palpomyia,**
 new species, Germany, Fed. Rep. 63.
 taxonomy 8181.
- Paltiothyreus tarsatus,**
 orientation 3696.
- Pamphantus,**
 new species, Neotropical Region 7331.
- Pamphigidae,**
 new species, China, People's Rep. 7400.
- Pamphiliidae,**
 biology 5503.
 new records, British Isles Scotland 4278.
 new species, Japan 102.
 new species, Korea Rep./China, People's Rep. 7361.
 parasitism 9229.
 pests 3993.
 revision, Europe 3371.
- Pamphilus,**
 new species, Japan 102.
- Pamphilus vaffer,**
 biology/development 5503.
- Panama,**
 new genus *Atopophlebia* 80.
 new species Castniidae 5184.
 new species Cicadellidae 7343.
 new species Coreidae 8213.
 new species Curculionidae 8135.

Panama,(continued)

new species/ecology Leiodidae 9013.

new species Elateridae 5857.

new species Hesperidae 5190.

new species Miridae 3363, 8219.

new species Phoridae 2364.

new species Pompilidae 4273.

new species Romaleidae 8292.

new species Throscidae 8169.

Panaphantus,

new species, Zaire 6588.

Panchlora nivea,

new records, USA Louisiana 9746.

Pandemis,

introduced species, Canada British Columbia 8071.

Pandemis limitata,

chemical control/pheromone traps 2098.

sex pheromone specificity/sampling 977.

Pandinus gregoryi,

circadian rhythms, activity 229.

Pandisus,

taxonomy 8105.

Panegyra,

taxonomy 8280.

Pangaeus,

new records, Ecuador 8076.

Panolis flammea,

life cycles/ecology, *Pinus* forests, British Isles 1101.

Panonychus citri,

dicofol resistance/fitness 4510.

life cycles 397.

metabolism dicofol 5305.

population growth/population structure 7788.

Panonychus ulmi,

chemical control 8734.

cultural control 1243.

hatching, temperature effects, mathematical models 5526.

insecticides effects on natural enemies 549.

integrated control, orchards, New Zealand 1247, 2090.

pest resistance *Malus domestica* 3801.

population dynamics, orchards, Canada Quebec 489.

population dynamics, temperature effects 7785.

population dynamics/biological control 3953.

population studies, *Prunus persica* orchards 5621.

toxicity/resistance acaricides 7562.

Panorpa,

coexistence/competition, resource partitioning 1976.

taxonomy 6684.

Panorpa caucasica,

taxonomy 8286.

Panorpidae,

ecology 1976.

taxonomy 6684, 8286.

Panstrongylus megistus,

Malpighian tubules, ploidy 5738.

oogenesis, hormones 3672.

repellents 267.

Pantala flavescens,

lipids metabolism, flight muscle 8354.

new records, New Zealand 6494.

Pantoclis,

new species, India 5163.

Panurgus calcaratus,

biology 6204.

Papilio,

hybrids, diapause absence 2178.

taxonomy 5200.

Papilio anchistades,

immature stages 892.

Papilio demodocus,

diuresis 6032.

diuresis, hormones 6828.

Papilio ladon,

taxonomy 5194.

Papilio machaon,

diapause, respiration diel periodicity 4532.

haemolymph circulation 5285.

larvae, predation, aposematic colour effects on 7796.

oviposition, host selection/preferences 5562.

population establishment, fens 4713.

records, history, British Isles 8007.

taxonomy 4285.

Papilio polyxenes,

biology 7705.

life cycles, geographical variations 6946.

population dynamics, environmental factors 6277.

thermoregulatory behaviour 1916.

toxicity furanocoumarins 8483.

Papilio protenor,

osmeterium secretion 4480.

Papilio xuthus,

genitalia photoreceptors, electrical properties/morphology 4370.

larvae, predation 2915.

population dynamics/population regulation 2951.

predation 2931.

spermatogenesis, diapause 3663.

visual perception colour, ocelli 3479.

Papilionidae,

behaviour 1916, 5562.

biology 7705.

book 742.

check lists, Solomon Is. 7180.

chromosomes 8807.

circulatory system 5285.

conservation 4713.

diapause 4532.

ecological genetics 8892.

ecology 2951, 9521.

excretion 6032.

glands 4480.

hormones 8427.

host plants 3783, 4686, 8630.

hybrids 637, 2178.

immature stages 892.

life cycles 6946.

morphology/ecology 9143.

new subspecies, Turkey 7384.

osmoregulation 6828.

oviposition 1060.

pheromones 4451.

populations 6277.

predation 2915, 2931, 7796.

sampling 8304.

secretion 5351.

sense organs 3479.

senses 4370.

spermatogenesis 3663.

taxonomy 128, 859, 4285, 5200, 5201, 6676, 7385.

toxicity furanocoumarins 8483.

zoogeography 8007.

Papilionides,

taxonomy 5201.

- Papillacarus**,
new species, Tunisia 2282.
- Papua New Guinea**,
Culicidae surveys, Hermit Is./Wuvulu I. 9761.
first record *Brevinnia rehi* 8948.
new genus Halictidae 3377.
new records Phytoseiidae 6460.
new species Actaletidae 7303.
new species Aradidae 4244.
new species Attidae 1431, 1433.
new species Cerambycidae 4195.
new species Chrysomelidae 5090.
new species Cicadellidae 1497.
new species Cixiidae 6644.
new species Formicidae 7358.
new species/geographical distribution Colydiidae 2316.
new species Geometridae 4281.
new species Helodidae 4201.
new species/host plants Drosophilidae 5885.
new species Hydrophilidae 7286.
new species Isotomidae 61.
new species Lycanidae 7379.
new species Myobiidae 758.
new species/new records Cicadellidae 1498.
new species/new records Trichoptera 154.
new species Paramegistidae 4157.
new species Pergidae 6665.
new species Scarabaeidae 9018.
new species Scolytidae 8154.
new species Scolytidae/Platypodidae 4181.
new species Staphylinidae 4211, 4212, 5867.
new species Trombiculidae 8973.
revision *Guntheria* /*Ornithogastia* 4162.
- Paraamblyseius**,
new species, India 4160.
new species/new records, India 5809.
- Parabatyle**,
taxonomy 4193.
- Parabezzia**,
new species, Haiti 3343.
taxonomy 9035.
- Parablastothrix**,
new species, USSR 8248.
- Parabuthus**,
new species, South Africa 7265.
- Paracentrobia andoi**,
nutrition effects on reproduction/longevity 2735.
- Paraceraptrocerus**,
new species, Argentina 2403.
- Paraceratitella eurycephala**,
life cycles/mating behaviour/oviposition site selection 9419.
- Parachernes**,
new species, El Salvador 3292.
- Parachipteria asiatica**,
fossils 2285.
- Parachironomus**,
new species, Argentina 3346.
- Paracladopelma**,
taxonomy 68.
- Paracladynis**,
new genus, Malagasy Rep. 5074.
- Paraclausenia**,
new genus, India 1510.
- Paracogia**,
new genus, Brazil 853.
- Paracricotopus**,
new species, USA 4228.
- Paradarisa consonaria**,
taxonomy 852.
- Paradoxosomatidae**,
new records, Fiji 3192.
new species/new records, Korea, Dem. People's Rep. 1536.
- Paradrymadusa**,
new species/new records, USSR 140.
- Paragnetina media**,
osmoregulation, gills, adenosinetriphosphatase 4469.
osmoregulation/salinity tolerance 2617.
- Paragonyleptes fulvigranulatus**,
genitalia 26.
- Paraguay**,
check lists Mallophaga 2254.
Ixodoidea surveys 9558.
new species Acari 6541.
new species/check lists Acari 8089.
- Paragus**,
new species, Israel/Italy 8199.
- Paragusia**,
new species, USSR 6619.
- Parahippelates**,
taxonomy 795.
- Paralamellobates ceylanicus**,
first record, Egypt, Arab. Rep. 1421.
- Paraleptophlebia asstmills**,
development, water temperature effects on 4863.
- Paraleptophlebia submarginata**,
first record, Finland 5007.
- Paraleptusa**,
new species, Italy 792.
- Paraleyrodes citri**,
natural enemies/pest status 6310.
- Paralimna obscura**,
first record, USA Georgia 715.
- Parallelia conficiens**,
coremata 6068.
- Paralorryla**,
new species, Egypt, Arab Rep. 7255.
- Paramallocera lacordairei**,
geographical distribution, Brazil 2060.
- Paramegistidae**,
new species, Australian Region 4157.
new species, Malaysia 6550.
- Parameropaederus**,
new species, Spain 2341.
- Parametriocnemus**,
new species, India 69.
- Paramonova**,
new species, Australia 78.
- Paramorphocephalus**,
taxonomy 2302.
- Paramyio cnema**,
taxonomy 6654.
- Paramyrmosa**,
new species, Spain 5939.
- Paranathrix**,
new genus, USSR 101.
- Paranoplus**,
taxonomy 4256.
- Parantestia**,
new species, Ethiopian Region 5139.
- Parantica dannatti**,
new subspecies, Philippines 112.
- Parapamerana**,
new genus, Malaysia 8217.

- Parapamphantus**,
new species, Brazil 7331.
- Parapelonides**,
new genus 5849.
- Paraphlepsius**,
new species, USA 1500.
- Paraphytoptus**,
new records, Japan 4993.
- Paraplea**,
new species, Philippines 7327.
- Parapodisma**,
chromosomes 7145.
new species, Japan 1530.
- Paraponera clavata**,
foraging behaviour 392.
- Paraponyx diminutalis**,
first records, Finland 5012.
- Paraponyx stratiotata**,
life cycles/ecology, Neuchatel L., Switzerland 2922.
- Parapotthastia**,
new species, USSR 72.
- Parapygmephorus**,
new species, Chile 8102.
new species, Hungary 8091.
- Parapyrellia**,
taxonomy 1468.
- Pararge aegeria**,
life cycles/morphology 1912.
wings patterns determination 9360.
- Parasarcophaga**,
immature stages 7447.
larvae 191.
meiosis, males 3145.
- Parasarcophaga ruficornis**,
midgut, juvenile hormones effects on, metamorphosis 2566.
midgut, metamorphosis 949.
- Parasierola nigrifemur**,
parasitism *Rhyacionia buoliana* 5656.
- Parasilpha**,
taxonomy 2335.
- Parasitidae**,
check lists/taxonomy, British Isles 7251.
new species, Korea, Dem. People's Rep. 5808.
new species, Palaearctic Region 1425.
new species, USSR 2283.
respiratory systems 6779.
- Parasitism**,
Acari-birds, coevolution 5757.
Acari-Coraciidae 5055.
Acari-Culicidae, Canada Quebec 6981.
Acari-*Erinaceus albobiventer* 9460.
Acari-horses, hypersensitivity 7860.
Acari-man 8709.
Acari on *Aplodontia rufa*, USA Oregon 3769.
Acari on cattle, South Africa Transvaal 4777.
Acari on domestic animals/man, Japan 3001.
Acari on mammals, population levels, Egypt, Arab Rep. Assiut 3771.
Acari on mammals, Thailand 4137.
Acari on *Scapanus /Neotrichus gibbsi*, USA Oregon 3767.
Acari on *Sorex*, USA Oregon 4139.
Acari-Rodentia, USA Oregon 8619.
Acari-wildlife/domestic animals, Afghanistan 4798.
Agreniaspis fuscicollis - *Prays oleae* 6999.
Agreniaspis fuscicollis - *Yponomeuta malinellus* 7732.
Agriotypus armatus parasites Goeridae, Germany, Fed. Rep. 429.
- Agriotypus armatus* - *Silo pallipes* 6229.
Agrostocynips clavatus on *Liriomyza huidobrensis*, new records hosts 3765.
- Alophora lepidofera* - Lygaeidae 6731.
- Alphitobius diaperinus* - *Rattus norvegicus* 7750.
- Amblyomma americanum* -birds/mammals 9461.
- Amblyomma americanum* feeding damage, guinea pigs 2009.
- Amblyomma americanum* on cattle, pest resistance 2848.
- Amblyomma maculatum* on rabbits 2852.
- Amblyomma testudinarium* -man 4776.
- Andricus legitimus* galls, *Quercus* 2401.
- Anopheles crucians*, Hydrachnellae 9450.
- Anopheles* on man, review 3913.
- Anoplura*-chickens 8725.
- Apanteles congregatus* -*Manduca sexta* 9454.
- Apanteles glomeratus* -*Pieris rapae* 7738.
- Apanteles melanoscelus* on *Lymantria dispar*, nuclear polyhedrosis virus infection 1743.
- Apanteles* on *Antheraea pernyi*, China, People's Rep. 1908.
- Apanteles popularis* on *Tyria jacobaeae*, population regulation 2832.
- Apanteles /Pnigalio maculipes /Sympiesis -Phyllonorycter* 9517.
- Aphelinidae on *Bemisia tabaci* 2073.
- Aphelinidae-*Schizaphis graminum* 8325.
- Aphididae, Asia, book 2257.
- Aphididae, Braconidae, *Citrus*, Italy 9449.
- Aphididae parasites, Cuba 8078.
- Aphidius* -Aphididae 5158.
- Aphidius nigripes* -*Macrosiphum euphorbiae* 9452.
- Aphidius* parasites *Acyrtosiphon pisum* 428.
- Aphytis chilensis /Aspidiotiphagus citrinus -Aspidiotus nerii* 9456.
- Aphytis chilensis -Aspidiotus nerii* 7900.
- Aponomma quadricavum -Epicrates striatus* 9459.
- Arrenurus* on Diptera 2834.
- Arthropoda-chickens/guineafowl 4773.
- Arthropoda on *Lepus capensis* 1931.
- Arthropoda-poultry 8710.
- Arthropoda-*Sylvilagus floridanus*, USA 7749.
- Artiodactyla/Proboscidea, myiasis, Gasterophilidae/Oestridae, Central African Rep./Chad 2850.
- Bareogonialis canadensis -Vespula* 8615.
- Bathyplectes anurus* on *Hypera postica* 3438.
- biological control *Acyrtosiphon*, New Zealand 3972.
- biological control *Aleurocanthus woglumi*, USA Florida 1223.
- biological control *Ormiscodes rufosignata* 5691.
- Biosteres longicaudatus -Anastrepha suspensa* 6974.
- Blaesoxipha /Tachinidae-Acridae* 7741.
- Blankaartia* on *Egretta intermedia* 19.
- Blepharipa pratensis -Lymantria dispar* 7421.
- Bombyliidae parasites *Hybomitra lasiophthalma*, host-parasite interactions 1117.
- Boophilus microplus* -cattle, pest resistance 7068, 8694, 8700.
- Boophilus microplus* infestation, immune response, cattle 7862.
- Boophilus microplus* on cattle, chemical control 1196.
- Bovicola -Capra pyrenaica* 7206.
- Bracon /Cirrospilus* on *Phylacteophaga froggatti* 406.
- Bracon platynotae* on *Pectinophora gossypiella /Spodoptera exigua* 431.
- Braconidae-Lepidoptera pests, Romania 8616.
- Braconidae-*Lymantria dispar* 7353.
- Braula coeca -Apis mellifera* 5544.
- Bruchophagus roddi*, Argentina 2253.
- Campoletis sonorensis -Heliothis virescens*, mutualism viruses 6235.

Parasitism,(continued)

- Catharosia* -Lygaeidae 7743.
cattle, *Damalinea bovis* /*Linognathus vituli* infestations, New Zealand 9555.
cattle, *Damalinea bovis*/ *Linognathus vituli* infestations, New Zealand 9556.
cattle, *Damalinea bovis* /*Linognathus vituli* infestations, New Zealand 9557.
Chalarus -Cicadellidae 7747.
Chelonis blackburni -*Coryca cephalonica* 5543.
Chelonis blackburni on *Earias vitella* /*Coryca cephalonica* 2843.
Chelonus heliopae /*Telenomus remus* biological control *Spodoptera litura* 555.
Chelonus /*Pristomerus hawaiiensis* -*Pectinophora gossypiella* 8613.
Cheyletiella, dermatitis, man 2979.
Cheyletiella parasitivorax infestations rabbits, Mexico 3257.
Chrysomya bezziana infestations cattle 2016.
Chrysophthorus chrysopimagnis on *Chrysopa* 3766.
Cimbex femoratus, Phoridae 2840.
cleptoparasitism, *Aphodius rufipes* on *Geotrupes spiniger* 1120.
cleptoparasitism, *Argyrodes elevatus* -*Nephila clavipes*, energetics 7737.
cleptoparasitism, foraging behaviour, *Bengalia* 9391.
cleptoparasitism, *Metopia sauteri* on *Episyrus arrogans* 4668.
Coccus hesperidum, new records, *Coccophagus matsuyamensis*, Italy 9733.
Cochliomyia hominivorax myiasis, Curacao 1127.
Cochliomyia hominivorax /*Sarcophaga* -*Coendou prehensilis* 8620.
Cochliomyia minima myiasis dogs, USA Puerto Rico 517.
Coleophora serratella, population dynamics 5619.
Comperiella pia on *Chrysomphalus ficus* 100.
competition, *Chelonus inanitus* /*Microplitis rufiventris* -*Spodoptera littoralis* 6228.
Compsilura concinnata host selection 7739.
Ctenocephalides canis on goats/sheep 522.
Culicoides host selection 1124.
Cuterebra grisea on *Microtus townsendii* 6236.
Demodex bovis -cattle, transmission 6324.
Demodex canis infestations dogs 2994.
Demodex criceti /*Demodex aurati*, parasites hamsters 445.
Demodex folliculorum -man 7845.
Demodex infestations cattle, Nigeria 3018.
Demodex -man 8701.
Demodex marsupialis -*Didelphus marsupialis* 8093.
Demodex suis infestations pigs, Europe 524.
Demodex zalophi on *Zalophus californianus* 2845.
Demodex zalophi -*Zalophus californianus* 7242.
Dermacentor albipictus /*Solenopotes ferrisi* /*Tricholipeurus* on *Odocoileus* 439.
Dermacentor andersoni, pest resistance, rabbits 531.
Dermacentor variabilis -rats, immunization 7841.
Dermanyssidae -man 8702.
Dermatobia hominis antigens, rabbits 3903.
Dermatobia hominis infection rabbits, inflammation induction 3917.
Dermatophagoides hypersensitivity, man 1204.
Diadegma cerophagus /*Plutella xylostella* 7740.
Dinorhynchus dybowskyi 1888.
Diplazon laetatorius -*Ischiodon escutellaris* 9406.
Diptera/Hymenoptera -*Operophtera* 6972.
Diptera myiasis, man, Switzerland review 2023.
Drino gilva -*Diprion pini* 6234.
Dryinidae -Homoptera, Philippines 5546.
Encarsia formosa -*Trialeurodes vaporariorum* 5548, 5694, 8612.
Endaphis gregaria -Aphididae 8179.
Ephedrus /*Aphidius rosae* -*Macrosiphum rosae* 6297.
Ephedrus cerasicola -*Myzus persicae* 5709.
Epinotia tedella, time/spatial distribution relationship 4667.
Erythrites -*Corynephorbia* 4671.
estimation population levels Siphonaptera infestations *Rhombomys opimus* 1125.
Eucelatoria -*Heliothis virescens*, food consumption 7734.
Eupelmus cyaniceps /*Heterospilus languriae* on *Languria erythrocephalus* 2792.
Eupelmus urozonus -*Dacus oleae* 6341.
Eutrombicula batatas hosts 714.
Exorista -*Jaenemus evagoras* 6964.
Geomydoecus on *Geomys bursarius* 138.
Glaucopsyche lygdamus, Formicidae symbiosis effects on 7730.
Glycyphagus microti -*Microtus pinetorum* 6548.
Gonia cinerascens -*Galleria mellonella* 6161.
Gonia cinerascens on *Galleria mellonella* 3761, 3764.
Goniozus jacintae -*Epiphyas postvittana* 8617.
guinea pig, histopathology feeding sites, *Amblyomma americanum* 2008.
guinea-pigs, drugs effects on *Aedes aegypti* biting behaviour 2975.
Haemaphysalis leporispalustris /*Dermacentor variabilis* on *Lepus americanus* 444.
Haemaphysalis longicornis -cattle 8696.
Haemaphysalis longicornis -rabbits, immune response 7748.
Haematopinus suis /*Sarcoptes suis* infestations pigs 2038.
Haematopinus tuberculatus infestations, effects on blood *Camelus dromedarius* 438.
Haematopinus tuberculatus infestations buffalo, seasonal variations, India Rajasthan 3005.
Halictophagus silwoodensis -*Ulopa reticulata* 5219.
Hippoboscidae parasites birds, Czechoslovakia 673.
host-parasite interactions, parasites eggs distribution, mathematical models 1115.
host-parasite interactions, population dynamics, mathematical models 8660.
host preferences, *Amblyomma variegatum* 5484.
host preferences, *Boophilus microplus* 1182.
host searching behaviour, Hymenoptera-Syrphidae 4669.
host searching behaviour, *Trioxys indicus* 6983.
host searching behaviour *Coccygomimus turionellae* 2833.
host selection, parasitoids, review 1118.
host specificity, evolution, Aphidiidae 7988.
hosts, *Brachymeria ovata* 3216.
hosts, *Epipyrops barberiana*, USA Illinois 720.
hosts, Ixodidae, USA Connecticut 3773.
hosts, Tachinidae, Brazil Curitiba 1413.
hosts age/temperature effects, reproduction, *Microplitis rufiventris* 5411.
hosts effects on reproduction, *Dermacentor variabilis* 2721.
Hyalomma anatolicum infestations cattle/buffaloes 1126.
Hyalomma truncatum on cattle 3021.
Hydrachna virescens -*Buenoa scimitra* 6230.
Hydrodromidae on Culicidae 2836.
Hymenoptera -*Aphis gossypii* 7744.
Hymenoptera -*Blastotere laevigatella* 8663.
Hymenoptera -*Chrysoperla carnea*, France Provence 6977.
Hymenoptera -Cicadellidae/Delphacidae 6224.
Hymenoptera -*Coleophora laricella* 6982.
Hymenoptera -*Dendroctonus frontalis*, fatty acids 9453.
Hymenoptera/Diptera on *Spodoptera frugiperda* 2839.

Parasitism,(continued)

- Hymenoptera/Diptera parasites *Cryptophlebia ombrodelta*, Australia Queensland 435.
- Hymenoptera/Diptera-*Spodoptera frugiperda*, Brazil 6979.
- Hymenoptera-Epiphyas *postvittana* 6232.
- Hymenoptera-*Galleria mellonella*, USA North Carolina 6984.
- Hymenoptera-*Kaltenbachiola strobi* 6191.
- Hymenoptera-*Numicia viridis* 4733.
- Hymenoptera on *Atherigona soccata* 2780.
- Hymenoptera on *Bruchophagus roddi*, USA Kansas 3255.
- Hymenoptera on *Cephaloleia consanguinea* 4765.
- Hymenoptera on Typhlocybinae 430.
- Hymenoptera parasites *Dorynota pugionata* 1074.
- Hymenoptera parasites *Melanagromyza cunctanoides* 94.
- Hymenoptera-Tenthredinidae 5549.
- hyperparasitism, *Trioxys indicus* 6223.
- Hypoderma*, antibody response, cattle 2974.
- Hypoderma*-cattle, diagnosis 7854.
- Hyposoter exiguae*-*Trichophusia ni* 9451.
- Insecta, hypersensitivity, review 9577.
- Ixodes dammini* 9745.
- Ixodes dammini* host preferences 8671.
- Ixodes galapagoensis*-*Oryzomys bauri* 8099.
- Ixodes pacificus*, effects on *Reithrodontomys megalotis* 448.
- Ixodes persulcatus* on *Clethrionomys glareolus*/*Microtus subarvatus* 2847.
- Ixodes signatus*-*Cephus columba* 9743.
- Ixodidae on cattle, India Bangalore 3246.
- Ixodidae parasites birds, Germany, Fed. Rep. Heligoland 4101.
- Kirkiostrus minutus* on *Connochaetes taurinus* 1569.
- Laelius pedatus*-*Anthrenus verbasci* 9455.
- Leiophron maculipennis*-*Diaphnocris chlorionis* 7742.
- Leiophron*/*Peristenus*-Miridae 6980.
- Linognathus vituli*-cattle 9565.
- Listrophorus*-*Ondatra zibethicus*, USA Indiana 7219.
- Lixophaga diatraeae*-*Galleria mellonella* 7736.
- Lophyrophlectus luteator* on *Neodiprion sertifer* 1238.
- Lucilia cuprina*, antibody response, sheep 2996.
- Lymantria dispar*, Morocco 5591.
- Lymantria dispar*, Romania 6978.
- Macronychia* on *Hybomitra lasiophthalma* 569.
- Macroisagon*-Eumenidae/Sphecidae, new records 6973.
- Mallophaga-birds, Spain Zaragoza 7207.
- Mallophaga parasites *Turdus philomelos*, Spain 1524.
- man, *Sarcoptes scabiei* 2026.
- man, *Thyrsocnema incisilobata* myiasis 3012.
- medical importance Hippoboscidae, man, Switzerland 2022.
- medical importance Muscidae, Switzerland 2985.
- medical importance *Rhipicephalus sanguineus*, Netherlands 1194.
- Megaselia obscuripennis*-*Trichosia* 4673.
- Megaselia scalaris* on *Zonocerus variegatus* 1121.
- Melophagus ovinus* pest resistance sheep 3920.
- Mesocricetus auratus*, *Speleordens clethrionomys* infestations 2042.
- Metaphycus*-*Coccus hesperidum*, immunology 6971.
- Microctonus nitidulidis* on *Stelidota geminata* 2841.
- Microctonus* parasites Carabidae, Nearctic Region 96.
- Microplitis croceipes* effects on development/glycogen levels, *Heliothis virescens* 3523.
- Microterys flavus*-*Coccus hesperidum* 4665.
- Monodontomerus dentipes* on *Dasychira*, Pakistan Swat 3080.
- Nasonia vitripennis*-*Musca domestica*, population dynamics 6281.
- natural enemies, Aphididae 1983.
- natural enemies *Anticarsia gemmatilis*/*Plusia*, Brazil 2002.
- natural enemies *Heliothis*, Australia New South Wales 501.
- natural enemies *Heteronychus arator*, South Africa 3868.
- natural enemies *Liriomyza sativae*, USA California 7894.
- natural enemies *Lymantria dispar*, Iran 433.
- Nemeritis canescens*-*Ephesia cautella*, mathematical models 6233.
- Nemeritis canescens* on *Plodia interpunctella*, behaviour 1926.
- new records hosts, *Spilochalcis hirtifemora* 434.
- Nomada*-*Agapostemon* 4672.
- Notocyphus dorsalis* parasites *Aphonopelma chalcodes* 443.
- Oaxacarus* on *Geophis anocularis* 16.
- Olesicampe monticola*-*Cephalcia lariciphila*, host location 9229.
- Orgilus elasmopalpi*-*Elasmopalpus lignosellus* 7733.
- Ornithonyssus sylvium* on chickens 3768.
- Otodectes cynotis* on cats 3770.
- Paracantabria andoi* on *Nephotettix cincticeps*, nutrition 2735.
- Parasierola nigrifemur*-*Rhyacionia buoliana* 5656.
- parasites, *Streblote panda*, Spain Huelva 407.
- parasites *Agelasia phoeniceus* 8618.
- parasites *Catopsilia scylla* 4633.
- parasites Cicadellidae, USA Kansas 436.
- parasites *Epinotia aporema*, *Glycine max* crop fields, Brazil 432.
- parasites *Hypera postica*, USA New Jersey/Maryland 4749.
- parasites rearing, equipment 7419.
- parasites *Saissetia oleae* 6302.
- parasites sex ratios 9714.
- parasites *Tetralopha robustella* 8574.
- Pediobius foveolatus* on *Epilachna varivestis*, mathematical models 2842.
- Pelecinus polyturator* on *Phyllophaga anxia*, Canada Quebec 2837.
- Pentatomidae 1906.
- pest resistance cattle, *Boophilus microplus* 3907.
- Petrochelidon pyrrhonota*, *Ceratophyllus* 721.
- physiology, Insecta, review 3763.
- Podapolipoides peruvensis* on Acrididae 2838.
- Polemochartus liparae* on *Hylaeus pectoralis* 3215.
- Polyplax reclinata* on *Crocidura leucodon*, Poland 2851.
- Polyplax spinulosa* on rats 2846.
- population dynamics/coevolution Siphonaptera on *Glaucomyx volans* 1932.
- Pristomerus vulnerator* on *Pectinophora gossypiella* 1930.
- Procyon lotor* predation Tachinidae, effects on population density *Lymantria dispar* 500.
- Psoroptes cuniculi* on rabbits 441.
- Pteromalidae on *Musca domestica* 1119.
- Pymotidae-man 8720.
- Redunca redunca*, *Strobiloestrus*, Sudan 3772.
- Rhinoestrus purpureus*-man 8717.
- Rhodnius pallescens* hosts, Panama 447.
- Saccharum officinarum* pests, Ghana 6368.
- Sarcophaga krameri* myiasis man, Malaysia 2021.
- Sarcophagidae/Tachinidae parasites, check lists/life cycles 8614.
- Sarcoptes scabiei*, association *Malassezia pachydermatis* 6312.
- Sarcoptes scabiei*-dogs 7064.
- Scheongastia* hosts 17.
- Scolia sinensis* on *Potosia marginicollis* 2831.
- sex ratios evolution, mathematical models, parasitoids 9717.
- sheep, *Linognathus*/*Psoroptes communis* infestations/

Parasitism,(continued)

- chemical control 2045.
- Siphonaptera/Anoplura-*Sciurus carolinensis*, USA 7751.
- Siphonaptera-*Citellus citellus* 4675.
- Siphonaptera-dogs/cats, British Isles London 7066.
- Siphonaptera-*Microtus montanus* 6985.
- Siphonaptera-*Muscardinus avellanarius*, Belgium 8621.
- Siphonaptera on birds, USA Alaska 4676.
- Siphonaptera parasites mammals, Poland Beskid 446.
- Spalangia endius* biological control *Musca domestica* / *Stomoxys calcitrans* 535.
- Spalangia endius* / *Muscidifurax raptor* - *Musca domestica*, environmental factors 9580.
- Spilochalcis albifrons* on *Coleophora laricella* 2835.
- Spilopsyllus cuniculi* on rabbits 3923.
- Spodoptera exigua* parasites, Israel 1122.
- Spodoptera littoralis* parasites, Egypt 6231.
- Spodoptera praefica* parasites species composition niches effects on 1993.
- Sternostoma trachealcolum* - *Serinus canaria*, first record, British Isles 4978.
- Sturmiopsis inferens* -Lepidoptera, host range 6227.
- Stylops* - *Andrena* 4664.
- Subclytita rotundiventris* - *Elasmucha grisea* 4627.
- superparasitism, effects on development, *Lixophaga diatraeae* - *Galleria mellonella* 7735.
- suppression hosts defence mechanisms, *Nemeritis canescens* / *Pseudeucoila bochei* 1927.
- Synanthedon* 8573.
- Systropus columbianus* on Limacodidae 1123.
- Tabanidae on cattle 2998.
- Tachinidae-*Chilo auricilius* 4670.
- Tachinidae-*Galleria mellonella* 4674.
- Telenomus brevis* on *Lophopterix camelina* 3887.
- Telenomus podisi* on *Podisus maculiventris*, temperature effects 2717.
- Tetrastichus asparagi* on *Crioceris*, host selection/host preferences 3760.
- Thyrsoecema incisilobata* on man 3934.
- Torymus* on *Dryocosmus kuriphilus* 4631.
- Toxares deltiger* on *Metopolophium dirhodum*, new records hosts 2844.
- Trathala plesia* - *Acrobasis* 5506.
- Trichogramma australicum* on *Acherontia styx*, new records hosts 1929.
- Trichogramma* - *Corycyra cephalonica* 5547.
- Trichogramma embryophagum* on *Ephesia kuehniella*, host selection, learning 3762.
- Trichogramma funiculatum* - *Epiphyas postvittana* 6976.
- Trichogramma minutum* / *Apanteles polychrosidis* - *Ancylus discigerana* 9380.
- Trichogramma pretiosum* on *Heliothis*, diflubenzuron effects on 3048.
- Trichogramma pretiosum* - *Sitotroga cerealella* / *Trichoplusia ni* 9458.
- Trichogramma* / *Pteromalus puparum* population regulation *Papilio xuthus* 2951.
- Trichogrammatoidea bactrae* - *Achaea janata*, new records 6975.
- Trichopria* - *Tabanus nigrovittatus* 7745.
- Trioxys indicus* - *Aphis craccivora* 4666.
- Trixacarus caviae* - guinea-pigs 4678.
- Trixacarus caviae* - guinea-pigs, first record, USA 4677.
- trombiculidae-man 8728.
- Ursicoptes americanus* on *Ursus americanus* 3269.
- Uenturia canescens* attractants, secretions *Plodia interpunctella* 987.
- Xenos pallidus* - *Polistes annularis* 7746.
- Paraswammerdamia lapponica***, first record, USSR 6516.
- Paratanytarsus***, larvae, populations, spatial distribution, paddy fields, USA California 1186.
- Paratemnus***, new species, India 7260.
- Paratenodera sinensis***, digestive systems, anatomy 5287.
- Paratetra***, new species, India 3271.
- Paratetranychus citri***, pest resistance *Citrus* 2892.
- Paratheresia claripalpis***, parasitism *Chilo auricilius* 4670.
- Parathion***, pesticide resistance, genes, *Musca domestica* 1764.
- Paratinus***, biology 6941.
- Paratrechina melanderi***, resource partitioning, foraging behaviour, forests 4625.
- Paratrechina vividula***, symbiosis *Oliarus vicarius* 7822.
- Paratrichogramma***, new species, India 9084.
- Paratrochodes***, new genus, Malagasy Rep. 4213.
- Paratropidia***, new species, New Caledonia 2371.
- Paravespula germanica***, abundance, environmental factors 8667.
- Pardosa***, resource partitioning, habitats 6270.
- taxonomy 24, 8979.
- Pardosa laura***, courtship behaviour, speciation 1057.
- Pardosa serrata***, taxonomy/biology/ecology 3282.
- Pardosa sternalis***, predation, food selection, methodology 9116.
- Pardosa tristis***, locomotion, cocoons loading effects on 4349.
- Pardosa vancouveri***, predator-prey interactions, *Drosophila melanogaster* 3853.
- Pardoxia***, new genus 9095.
- Parectropis***, new genus 852.
- Pareptisima***, taxonomy 7391.
- Pareronia boebers***, immature stages 188.
- Pareulype berberata***, first record, Balearic Is. 9722.
- Parhelophilus***, females, morphology 2492.
- Parides***, taxonomy 6676.
- Parischnogaster nigricans***, nest building, anti-predator behaviour 8570.
- Parischnolea***, new species, Chile 775.
- Partischoenus***, new species, Brazil 782.

- Parlatoria**,
chemical control 4843.
- Parmena**,
new species, USSR 7273.
- Parmena pubescens**,
new subspecies, Spain 3308.
- Parnalus cerisy**,
distribution/ecology/variability, Greece 9143.
- Parnassiana**,
new species, Greece 139.
- Parnassius apollo**,
interaction *Sedum album* 3783.
races, book 6534.
- Parnassius behri**,
taxonomy 128.
- Parnassius glacialis**,
life cycles/population decline, Japan 9521.
- Parnassius nordmanni**,
new subspecies, Turkey 7384.
- Parochromolopis**,
new species, Costa Rica 116.
- Parochthiphila nigripes**,
taxonomy 6605.
- Paroecetis struckii**,
morphology/geographical distribution, German Dem. Rep. 4337.
- Paropsis charybdis**,
predation 6294, 6935.
- Parornix petiolella**,
first record, Italy 2428.
- Parorthocladus**,
new records/check lists, Italy 674.
- Parortholitha**,
new species, South Africa 4280.
- Parthenicus**,
new species, Canada 813.
- Parthenogenesis**,
chromosomes ultrastructure, eggs maturation, *Bombyx mori* 1594.
heat treatments effects on eggs, *Bombyx mori* 1833.
polymorphism, population genetics, *Bromius obscurus* /
Otiorynchus salicis 2183.
temperature effects, *Bombyx mori* 1818, 1819.
- Parthenolecanium**,
taxonomy 1495, 8239, 9071.
- Paruroctonus**,
taxonomy/zoogeography 8993.
- Paruroctonus mesaensis**,
cannibalism, effects on population dynamics 3843.
cuticle, lipids biosynthesis 8352.
population studies 3872.
- Parydra unituberculata**,
first record, USA Georgia 715.
- Pasara**,
new genus, India 9069.
- Passalidae**,
behaviour 1642, 9374.
sound production 7538.
- Passaloecus ribauti**,
taxonomy 6667.
- Patagonia**,
geographical distribution *Urophonius granulatus* 3294.
- Patagonolpuga**,
taxonomy 34.
- Patanga succincta**,
life cycles/larvae 8584.
- Pateena**,
new genus, Tasmania 1491.
- Pathology**,
Acinetobacter calcoaceticus - *Oryctes rhinoceros* 9266.
Adelina infection effects on reproduction, *Heteronychus arator* 3576.
Agamermis infection, *Lymantria dispar*, Italy 3083.
Ascocystis brachyceri infection, *Megaselia subnitida* 1738.
Aspergillus flavus / *Beauveria bassiana* / *Serratia marcescens*,
Orthaga euadrusalis 6849.
Aspergillus flavus-oryzae - *Bombyx mori* 7555, 7556.
Bacillus popilliae susceptibility, Scarabaeidae larvae 3100.
Bacillus sphaericus, pathogenicity, Culicidae 8454.
Bacillus thuringiensis, histopathology midgut, *Ephesia cautella* / *Plodia interpunctella* 7549.
Bacillus thuringiensis, *Manduca sexta* 1000.
Bacillus thuringiensis endotoxins effects on midgut, *Bombyx mori* 2649.
Bacillus thuringiensis - Lepidoptera 9265.
Bacillus thuringiensis pathogenicity, Culicidae 4494.
Bacillus thuringiensis pathogenicity, *Trichogramma cacoeciae* / *Apis mellifera* 2641.
Bacillus thuringiensis pathogenicity *Bracon brevicornis* 6840.
Bacillus thuringiensis - *Simulium vittatum* 6850.
bacteria + viruses mixed infection, Noctuidae 8452.
bacteria infection, effects on haemolymph pressure, *Tenebrio molitor* 6846.
baculovirus infectivity, Insecta 2646.
Beauveria bassiana infection *Galleria mellonella* larvae 3574.
Beauveria bassiana pathogenicity, *Nisotra orbiculata* 278.
Bispiculum infection, *Platyus* 1739.
Blattella germanica 7545.
Bombycidae, review 3088.
Ciliata, *Ytu brutus* 7302.
Coelomomyces infection, *Aedes trivittatus* 2640.
Coelomomyces opifexi infection *Aedes australis* 988.
Coelomomyces ponticulus infection *Aedes flavopictus*, Japan 3573.
Colletes 2928.
Conidiobolus osmodes infection *Macrosiphoniella oblonga* 3591.
Culex pipiens pathogenicity *Metarhizium anisopliae* 3585.
cytoplasmic polyhedrosis virus, *Bombyx mori* 1747.
denonucleosis virus, epidemiology, *Bombyx mori* 7548.
Diptera hosts, *Culiciniomyces clavosporus* 5363.
Dirofilaria immitis, effects on fecundity, *Aedes trivittatus* 7546.
Entomophthora, infection, Aphididae 9269.
Entomophthora egressa infection, haemocytes response, *Lambdina fiscellaria* 1751.
Entomophthora lampyridarum pathogenicity *Chauliognathus pennsylvanicus* 5362.
Entomophthora muscae infection, humidity effects on, *Musca domestica* 7550.
Entomophthora planchoniana - *Corylobium avellanae* 7547.
Entomophthora - *Therioaphis trifolii*, bioassays 9258.
Entomophthora virulenta pathogenicity *Tribolium destructor* 279.
Entomophthoraceae infection Insecta 7544.
Entomophthorales - *Phlebotomus sergenti* 7542, 7543.
flacherie virus pathogenicity, *Bombyx mori* 1742.
fungi, *Hoplocampa testudinea* 3588.
fungi infection, *Lymantria dispar* 6082.

Pathology,(continued)

- fungi infection *Epilachna varivestis* 996.
 fungi infection *Histeridae* 289.
 fungi pathogenicity, *Dendroctonus frontalis* 3595.
 fungi-*Phutella xylostella* 7560.
 fungi-*Scolytus scolytus* 9260, 9261.
Fusarium oxysporum-*Aedes detritus* 6844.
 granulosis virus histopathology, *Pericallia ricini* larvae 993.
 granulosis virus-*Homona magnanima* 6843.
 granulosis virus infection, effects on food consumption/
 growth, *Pericallia ricini* larvae 2643.
 granulosis virus/nuclear polyhedrosis virus synergism,
Pseudaletia unipuncta 1002.
 granulosis virus-*Pieris brassicae* 9274.
Heterorhabdus bacteriophora + *Xenorhabdus luminescens*,
Schizura concinna 283.
Heterorhabdus bacteriophora + *Xenorhabdus luminescens*,
Galleria mellonella 284.
Hydromermis mermitides infection, *Aedes* 4487.
 immune response (cell mediated) *Diplotriaena tricuspis*,
Acrididae 2639.
 infection *Heterotylenchus autumnalis*, nutrition, *Musca*
autumnalis 7551.
 infection *Nosema limbata* /*Thelohania limbata*, *Tramea*
limbata 6851.
 isolation fungi, *Culicidae* 1745.
Leptomonas-*Siphonaptera* 7557.
Macrocentrus grandii on *Hymenoptera* 280.
Mermithidae, *Simulium damnosum* 2655.
Metarrhizium anisopliae, pathogenicity, *Deois flavopicta*
 6087.
Metarrhizium anisopliae pathogenicity *Macrosiphoniella*
sanborni 2642.
Microsporidia, *Euxoa scandens* 8458.
Microsporidium-*Chironomidae* 8457.
Mycoplasmatales pathogenicity, *Athropoda* 281.
 natural enemies *Anticarsia gemmatilis* /*Plusia*, Brazil 2002.
Neoplectana carpocapsae pathogenicity *Simulium* 5366.
Neoplectana carpocapsae susceptibility, *Lepidoptera* pupae
 5359.
Nomuraea rileyi infection., effects on oxygen consumption,
Heliothis zea 6848.
Nomuraea rileyi infection *Spodoptera litura* 3579.
Nomuraea rileyi /*Paecilomyces fumoso-roseus* -*Spodoptera*
littoralis, temperature effects 9273.
Nosema apis diagnosis/prophylaxis, *Apis mellifera* 287.
Nosema distriae, *Malacosoma distria* 5360.
Nosema infection, *Otiorrhynchus equestris* 6845.
Nosema infection ovary, *Antheraea assamensis* 5368.
Nosema locustae pathogenicity, *Acrididae* 3593.
Nosema pathogenicity, *Bombyx mori* 1754.
Nosema pyrausta infection, *Macrocentrus grandii* /
Hymenoptera 280.
 nuclear polyhedrosis virus, *Galleria mellonella* 4485.
 nuclear polyhedrosis virus, *Lymantria dispar* 8450.
 nuclear polyhedrosis virus development, hormones effects on,
Bombyx mori 1741.
 nuclear polyhedrosis virus effects on haemolymph amino
 acids, *Spodoptera littoralis* 2580.
 nuclear polyhedrosis virus effects on moulting, *Pericallia*
ricini 2647.
 nuclear polyhedrosis virus histopathology, *Trichoplusia ni*
 4493.
 nuclear polyhedrosis virus infection, *Bombyx mori* 3589.
 nuclear polyhedrosis virus infection, *Lepidoptera* cell lines
 9259.
 nuclear polyhedrosis virus infection, *Lymantria dispar* /
Apanteles melanoscelus 1743.
 nuclear polyhedrosis virus-*Mythimna separata* 9271.
 nuclear polyhedrosis virus-*Nymphula depunctalis* 9272.
 nuclear polyhedrosis virus pathogenicity, methoprene effects
 on, *Hyphantria cunea* 340.
Octosporea muscaedomesticae infection, *Apis mellifera* 285.
Paecilomyces tenuipes infection, *Noctuidae* 997.
 pathogenicity *Aerobacter aerogenes* /*Proteus mirabilis*,
 synergism, *Boarmia selenaria* 288.
 pathogenicity *Bacillus*, *Culex restuans* 7558.
 pathogenicity *Bacillus sphaericus*, *Culex pipiens* larvae
 3584.
 pathogenicity *Bacillus thuringiensis*, *Aedes aegypti* 3594.
 pathogenicity *Beauveria bassiana*, *Galleria mellonella* 3586.
 pathogenicity *Beauveria bassiana* /*Paecilomyces fumoso-*
roseus, *Gelechia hippophaella* 3575.
 pathogenicity entomopox virus, *Chironomus* 990.
 pathogenicity fungi contamination honey, *Apis mellifera*
 2652.
 pathogenicity/hosts *Cordyceps aphodii*, *Hypharpax* /
Aphodius 3572.
 pathogenicity nuclear polyhedrosis virus, *Amsacta albistriga*
 4829.
 pathogenicity rhabdovirus infection, *Acheta domestica* 282.
 pathogenicity *Spinixiteus carolini*, *Odonata* /*Hexagenia*
limbata larvae 2651.
 pathogenicity *Vairimorpha necatrix*, *Trichoplusia ni* 8455.
 pathogens, mortality factors *Insecta* populations 3825.
 pathogens role population dynamics forests *Insecta* 3965.
 pathogens *Scarabaeidae* 5370.
Plasmodium-*Culicidae* 7553.
Pleistophora malthodes infection *Malthodes fuscus* 1749.
Pleistophora oncoperae infection *Oncopera alboguttata*
 3581.
Plistophora dixippi, *Carausius morosus* 4488.
Podonectria coccicola infection, *Diaspididae* /*Coccidae* 4498.
 protozoa, *Gamasomorpha* 290.
 protozoa infection, *Collembola* 2653.
 protozoa infection, *Orthoptera* /*Blattodea* 1752.
 protozoa infection, *Simuliidae* 1744.
 resistance, Sindbis virus, *Drosophila melanogaster* 8460.
 resistance nuclear polyhedrosis virus infection, *Epiphyas*
postvittana 3587.
Romanomermis culicivox infection *Culex pipiens*,
 population studies 2650.
Romanomermis nielsenii infection *Culicidae* 4496.
 salivary gland, *Glossina pallidipes* 1750.
 Sporozoa infection *Petrobius brevistylis* 994.
 susceptibility cockroach virus, *Periplaneta fuliginosa* 2656.
 susceptibility granulosis virus, *Phthorimaea operculella*
 6841.
 susceptibility *Neoplectana carpocapsae*, age effects,
Simulium vittatum 7552.
 susceptibility nuclear polyhedrosis virus, *Spodoptera*
littoralis 5371.
 use control pests *Insecta*, review 1245.
Vavraia culicis -*Culicidae* 9267.
Verticillium fusisporum pathogenicity, *Homoptera* 3580.
Verticillium lecanii virulence, *Macrosiphoniella sanborni*
 3578.
 virus-like particles cytopathology, *Diabrotica*
undecimpunctata 5358.
 viruses/bacteria infection effects on calcium/potassium levels,
Insecta 2648.
Zoophthora phytonomi /*Conidiobolus osmodes* -*Hypera*
variabilis 7561.
Zoophthora radicans infection, *Aphrodes bicinctus* 4489.

- Patna**,
new species, Pakistan 862.
- Pauesia**,
new species, German Dem. Rep. 5159.
- Paulinia acuminata**,
life cycles, temperature effects 4629.
- Pauliniidae**,
life cycles 4629.
- Paussus**,
new species, Ethiopian Region 5082.
taxonomy 5084.
- Pavania**,
new species, USSR 5802.
- Pectinophora gossypiella**,
antennae sensilla 934.
attractants 2606.
attractants/host plants volatiles 9465.
chemical control 6338.
chemosterilants 9338.
corpora allata/corpora cardiaca ultrastructure, diapause 1718.
damage *Gossypium hirsutum* 9612.
ecological genetics, enzyme polymorphism 9711.
longevity, humidity/temperature effects 1820.
mating 3692.
mating competition/diapause 9363.
mutants, purple-eye gene expression 4920.
parasitism 431, 1930, 8613.
pest resistance *Gossypium hirsutum* 6364, 8624.
pheromone traps 3939.
pheromone traps, behaviour 8759.
reproduction, radiation (γ) effects on 9368.
toxicity fatty acids esters 1755.
- Pectinorex**,
new genus, Brazil 830.
- Pedetontus**,
new species, Nearctic Region 5968.
new species, Japan 6701.
- Pediculidae**,
chemical control 530, 7069.
insecticides toxicity 303, 6107.
toxicity precocene 4507.
- Pediculoides ventricosus**,
parasitism, *Callosobruchus analis* 2819.
- Pediculus capitis**,
chemical control 530.
insecticides toxicity 303, 6107.
- Pediculus humanus**,
chemical control 7069.
toxicity precocene 4507.
- Pediobius foveolatus**,
life cycles 9431.
parasitism *Epilachna varivestis*, mathematical models 2842.
- Pedrocortesella**,
new species, USSR 9.
- Pegesimallus**,
taxonomy 6603.
- Peggichisme**,
taxonomy 810.
- Pegomya**,
biology, Finland 2814.
taxonomy 2353.
- Pegomya betae**,
host selection, chemical stimuli 5565.
- Pegomya hyoscyami**,
pest status, Czechoslovakia 9624.
occurrence/control, Poland 9536.
pest status, Czechoslovakia 3086.
- Pegopteronyssus**,
new genus, Kenya/Mozambique 7.
- Pelecniidae**,
parasitism 2837.
- Pelecinus polyturator**,
parasitism *Phyllophaga anxia*, Canada Quebec 2837.
- Pelecopsis**,
new species, Morocco/Spain 5822.
- Pelodiaetodes**,
new genus, New Zealand 2310.
- Pelonides**,
taxonomy 5849.
- Peloracantha**,
new genus, Leptophlebiidae 1490.
- Peloribates**,
new species, Tunisia 2282.
- Pelosis plumosa**,
taxonomy 2423.
- Peltodytes nodieri**,
taxonomy 2298.
- Peltoperla arcuata**,
spatial distribution, forests streams 6272.
- Peltoperlidae**,
populations 6272.
- Pemphigidae**,
new species, Philippines 87.
pest resistance *Lactuca sativa* 3775.
- Pemphigus bursarius**,
pest resistance *Lactuca sativa* 3775.
- Pemphigus populicaultis**,
geographical variations 4329.
- Pemphigus populitransversus**,
galls, polymorphism/geographical distribution 8632.
morphs, life cycles 4617.
polymorphism, geographical variations 9706.
variation phenotypes/larvae dispersal 2188.
- Pemphredonidae**,
new species, Canada 103.
- Penepodium albavillosum**,
habitats/morphology/nests 4635.
- Penestragania**,
new species, Bolivia 7344.
- Peneta**,
new species, Sri Lanka 1463.
- Penfluron**,
effects on viability eggs *Musca domestica* 1798.
- Pentalonia nigronervosa**,
chemical control 3060.
- Pentamerismus**,
new species/new records, China, People's Rep. 14.
- Pentatomidae**,
adhesives, leg 9255.
anatomy 1563.
behaviour 2776.
biology 378, 2811, 3717, 4636, 7224.
development 4548.
ecology 5615.
fat body 2579.
feeding 425.
immature stages 6740.
life cycles 1896, 2789, 4654, 6935.
life cycles/rearing 1888.
marking 4317.
mating/oviposition 1862.

Pentatomidae,(continued)

natural enemies 1906.
 nerves 5276.
 neurosecretion cells 9169.
 new records, USA Illinois 8937.
 new records, USA Missouri 7225.
 new species, Brazil 6633.
 new species, Ethiopian Region 5139.
 new species, Guatemala 4248.
 new species, Haiti 816.
 new species, India 5914, 7333.
 new species, Neotropical Region 3364.
 parasitism 2717.
 pest resistance *Glycine max* 4836.
 pests 4839, 7874, 8635.
 pheromones 975.
 populations 1156.
 predation 1185, 2826.
 reproduction 3631, 4558, 7606.
 reproductive behaviour 364.
 respiratory systems 1648, 1649.
 secretion 5325.
 taxonomy 4247, 5140, 6634, 7332.
 toxicity insecticides 6871.
Pentatomoidea,
 geographical distribution, USA 3253.
Peptides,
 brain, role learning behaviour, *Stagmatoptera biocellata* 3483.
Peramelaelaps,
 review, Australia 757.
Peregrinus maidis,
 antifeedants, *Sorghum bicolor* 2885.
 feeding deterrents, *Sorghum bicolor* 2867.
 transmission maize rayado fine virus 1951.
 vectors plant viruses 9493.
Pergagraptia,
 new species, Papua New Guinea 6665.
Pergamasus crassipes,
 predator-prey interactions *Onychiurus armatus*,
 mathematical models 1988.
Pergidae,
 life cycles 406.
 new species, Australian Region 6665.
Pericallia geometrica,
 taxonomy 7368.
Pericallia ricini,
 biology/insecticides toxicity 5479.
 host plants effects on development 3782.
 larvae, granulosis virus histopathology 993.
 larvae, granulosis virus infection effects on food consumption/
 growth 2643.
 nuclear polyhedrosis virus effects on moulting 2647.
 toxicity plant extracts 4696.
Peridroma saucia,
 cytoplasmic polyhedrosis virus 4486.
 enzymes activity, host plants effects on, pesticide resistance
 2876.
 insecticides metabolism/toxicity, host plants effects on 9615.
 pest status, *Mentha piperita* 6376.
Perigenes constrictus,
 parasitism 7743.
Perileucoptera coffeella,
 population dynamics/parasitism 7038.
Perillus bioculatus,
 fat body, carbohydrates/glycerol levels, development 2579.
 toxicity insecticides 6871.

Peripatus acacioi,

haemolymph proteins Onychophora, proteins 2596.

Periphyllus testudinaceus,

mutualism *Formica rufa* 6282.

Periplaneta,

defence secretions/defensive behaviour 6956.

larvae 5247.

larvae/taxonomy 8111.

taxonomy 2297.

Periplaneta americana,

absorption, bacteria metabolites 4393.

agonistic behaviour 3712.

antennal lobes, development 7465.

axons, potassium transport 6758.

camphechlor effects on adenosinetriphosphatase activity,
 plasma membranes 1012.

central nervous system, glycogen 6759.

cerci ensilla, electrical properties 7471.

cerci ensilla, electrical properties 7470.

circadian rhythms, DDT/photoperiod effects on 6823.

collagen, characterization 4403.

colon, ultrastructure/function 1666.

development, leg implantation 8510.

ecdysteroids production, prothoracic gland 9254.

giant axons, sensory stimuli 5260.

glucose incorporation, lipids, fat body 9201.

glycogen storage, seasonal variations 1687.

gustatory stimuli, methyl glycosides 8377.

gut, oxygen consumption 4388.

haemagglutinins, opsonization 942.

haemocytes 8388.

haemocytes, anaerobiosis 2500.

haemolymph lipoproteins 6780.

haemolymph trehalose levels, neurotransmitters effects on
 1651.

hindgut glycogen, glands effects on 232.

hydroquinone effects on synapses transmission 924.

immune response (humoral) 3494.

innervation prothoracic gland 7463.

melanophore-dispersing factor 7501.

metabolism/excretion benzoic acids 3520.

3-methylpentacosane biosynthesis 9200.

midgut β -D-fructofuranosidase, role salivary gland 9191.

muscles enzymes 6007.

nerves 8366.

nerves, anatomy 2528.

nerves, cholinesterase activity 4357.

nerves, ervatamine effects on 2519.

nerves integration 5259.

nerves regeneration, electrical properties 6011.

neurotransmitters 4364.

neurotransmitters, γ -aminobutyric acid/taurine 9166.

olfactory discrimination learning 5468.

orientation 4599.

orientation, visual stimuli 8565.

ovary, chemosterilants effects on 6892.

pathology, protozoa 1752.

physiology nervous system, avoidance learning/transfer
 learning 2535.

radiation (electromagnetic) effects on 5469.

rectum, water transport 6031.

reproduction, endocrinology 6912.

salivary gland effects on development/fertility 9347.

serum immune response 7487.

sex pheromone analogues 9232.

sex pheromone analogues, behaviour/electroantennograms

***Periplaneta americana*, (continued)**

1697.
starvation effects on oogenesis/juvenile hormones biosynthesis 8408.
synapses, pharmacology 1624.
temperature tolerance, biochemistry 5337.
toxicity DDT analogues 9291.
vitellogenin, metabolism/structure 4300.
walking, nerves activity 2531.
walking coordination 2570.
- Periplaneta brunnea*,**
antennae, sense organs/electroantennograms 3480.
- Periplaneta fuliginosa*,**
susceptibility cockroach virus 2656.
- Peripsocidae,**
new records, Yugoslavia 1397, 3239.
new species, Ethiopian Region 2441.
teratology 3443.
- Peripsocus*,**
taxonomy 2441.
- Peripsocus reductus*,**
first record, Yugoslavia 1397, 3239.
- Peripsocus subfasciatus*,**
compound eyes, teratology 3443.
- Perisomena caecigena*,**
geographical distribution, Iran/Turkey 8042.
- Perissa*,**
new species, Senegal 5888.
- Perissopneumon tectonae*,**
cultural control 4828.
- Peristenus*,**
new species, Canada/Europe 97.
parasitism Miridae 6980.
- Peristerophila*,**
new species, USA 759.
- Perkinsiella saccharicida*,**
pest resistance *Saccharum* 9605.
- Perilidae,**
ecology 3122.
larvae, interspecific interactions, coexistence 3117.
new species, Brazil 5965.
new species, Sri Lanka 5215.
new species, USA 7403.
osmoregulation 2617, 4469.
pollution 8767.
predation 3755.
taxonomy 3408.
- Periodes microcephalus*,**
larvae/reproductive behaviour 353.
- Perilodidae,**
behaviour 7689.
life cycles 1880, 1899.
metabolism 6797.
reproductive behaviour 353.
taxonomy 3408, 4299.
- Permethrin,**
+ DDT, pesticide resistance, selection, *Anopheles stephensi* 1760.
control *Agrotis orthogonia* 564.
control *Amblyomma americanum* 3008.
control Diptera 537.
control *Glossina*, effects on nontarget organisms 3053.
control *Musca autumnalis* / *Haematobia irritans* 3909.
control *Musca domestica* 1197.
control *Trichoplusia ni* 3040.
integrated control *Myzus persicae* 568.
penetration/toxicity, relationship pesticide resistance, *Culex*

- quinquefasciatus* 1773.
persistence, control *Psylla pyricola* 565.
pesticide resistance, *Musca domestica*, Germany, Fed.Rep. 1761.
toxicity, bioassays, *Aedes aegypti* / *Anopheles quadrimaculatus* 2686.
toxicity, Chrysomelidae/Coccinellidae/Eulophidae 1777.
toxicity, *Chrysopa carnea* 1763.
toxicity, eggs *Attagenus megatoma* / *Tineola bisselliella* 267.
toxicity, *Lycoriella auripila* / *Megaselia halterata* 305.
- Permian,**
fossils Ephemeroptera/Palaedictyoptera, USA Oklahoma 3295.
- Perrhybris lypera*,**
life cycles 391.
- Peru,**
new records Cerambycidae 8127.
new species Apidae 825.
new species Carabidae 768.
new species Cicadellidae 819, 4253, 7343.
new species Ctenuchidae 850.
new species Dryopidae 8141.
new species Entomobryidae 6596.
new species Scarabaeidae 3328.
new species Tenebrionidae 8166.
zoogeography Tenebrionidae 5794.
- Perxylobates*,**
new species, Egypt, Arab Rep. 8098.
- Pesticide resistance,**
acetylcholinesterase assays, *Musca domestica* / *Spodoptera littoralis* 2446.
Amblyomma 3609.
Anopheles, Thailand 1769.
azinphos-methyl, *Phyllonorycter blancardella*, Canada Ontario 2674.
carbamates/pesticides (organophosphorus), *Anopheles* 306.
chlorpyrifos, *Culex quinquefasciatus* 1772.
Cimex lectularius 2677.
cis-permethrin/fenvalerate/methyl parathion, *Heliothis virescens* 1775.
Culicidae 1770.
DDT + permethrin, selection, *Anopheles stephensi* 1760.
DDT, *Culex fatigans*, India Kanpur 1013.
DDT, selection, *Anopheles culicifacies* 307.
diazinon, genes, *Lucilia cuprina* 1007.
diflubenzuron, mechanisms, *Choristoneura fumiferana* / *Malacosoma disstria* 3605.
dimethoate, *Metaseiulus occidentalis* 2662.
enzymes activity, *Heliothis virescens* larvae 256.
enzymes activity, *Musca domestica* 242.
genes, *Culex quinquefasciatus* 2135.
Heliothis armigera, Australia New South Wales 308.
Insecta pests *Brassica* 570.
insecticides, polymorphism, *Nilaparvata lugens* / *Sogatella furcifera* 558.
Leptinotarsa decemlineata 1759.
lindane, *Hyalomma* 309.
Lucilia cuprina, Australia Queensland 1009.
methyl parathion, *Lygus lineolaris* 3611.
monocrotophos, genes, *Spodoptera littoralis* 3130.
Musca domestica 296.
Myzus persicae 2664.
Ostrinia nubilalis 1762.
parathion, genes, *Musca domestica* 1764.
permethrin, *Culex quinquefasciatus* 1773.
permethrin, *Musca domestica*, Germany, Fed.Rep. 1761.
pest control orchards 1250.

Pesticide resistance,(continued)

pesticides (organophosphorus), *Heliothis virescens* 3610.
 pesticides (organophosphorus), *Lucilia cuprina*,
 susceptibility vetrazin 1016.
 pesticides (organophosphorus), *Schizaphis graminum* 2675.
 pesticides (organophosphorus), *Spodoptera littoralis* 1771.
 phosphine, cross-resistance insecticides, *Tribolium castaneum* 295.
 pyrethroids, central nervous system *Musca domestica* 293.
 pyrethroids, relationship central nervous system sensitivity,
Spodoptera littoralis 3607.
 Siphonaptera, Indonesia 4514.
 synergism, *Plodia interpunctella* 1780.
 temephos, *Simulium*, Ivory Coast 3606.
 temephos selection, *Culex pipiens* 294.
Pesticides,
 role control pests, review 1224.
 toxicity, beneficial insects 7571.
 toxicity, bioassays, *Apis* 5982.
Pesticides (organophosphorus),
 pesticide resistance, *Anopheles* 306.
Pests,
Bacteria, *Bacillus sphaericus*, *Culex* 6089.
Petaluridae,
 behaviour/biology 6185.
Petauralges,
 new genus, Australia 4151.
Petrobia latens,
Avena ludoviciana, host plants, new records 4695.
 pest resistance *Triticum* 9635.
Petrobius,
 taxonomy 5968.
Petrobius brevistylis,
 pathology 994.
Petrova khasiensis,
 taxonomy 1523.
Petrova metallica,
 infestations, *Pinus ponderosa* 1964.
Phaedis,
 new species, Japan 2343.
Phaedon,
 check lists, India 2314.
 new species, India 780.
Phaedon cochleariae,
 pest resistance Brassica oleracea 2900.
Phaedonia indica,
 taxonomy 780.
Phaenicia,
 light orientation, visual stimuli 3482.
Phaenicia serricata,
 intraspecific interactions/interspecific interactions *Phormia regina* 4718.
 iminoblastine, lumicolchicine/effects on/colchicine sense organs 1628.
Phaenocarpa persimilis,
 larvae 895.
Phaenoglyphis,
 taxonomy 2402.
Phaenotheriosoma,
 new species, Turkey 8994.
Phaeoparia,
 new species, Costa Rica/Panama 8292.
Phaeophilacris spectrum,
 colopale organ, leg 9179.
 sense organs, leg 9180.

Phalacridae,
 taxonomy 4206.
Phalacrus uniformis,
 new subspecies, New Zealand 4206.
Phalaenoides glycine,
 abundance/distribution, vineyards 5625.
 biology 4614.
 mortality factors 8666.
 reproduction, environmental factors 8533.
Phalangidae,
 ecology 8658.
 taxonomy 8986.
Phalangium opilio,
 ecdysones secretion, leg oenocytes 9222.
Phalangodidae,
 new species, Australia 5826.
Phalangopsidae,
 sound production 1734.
Phalera bucephala,
 pest status, *Fagus sylvatica* roadsides 5616.
Phaleria,
 new species, Mexico 8168.
Phaneropteridae,
 new records, Czechoslovakia 2238.
Phanerotoma flavitestacea,
 development, biochemistry 8421.
 metamorphosis, biochemistry 8420.
Phaneroturris,
 new genus, America 144.
Phaonia,
 new species, USSR 6614.
Phasmatidae,
 behaviour 7654.
 cells 3449.
 chromosomes 622.
 development 2778.
 eggs/phylogeny 6119.
 fat body 9216.
 glands 7527.
 gut 1595.
 haemocytes 942.
 hormones 3546.
 life cycles 4619.
 locomotion 1610, 1615, 8359, 9186.
 metabolism 1851, 3520, 4422.
 muscles 1612.
 orientation 6928.
 pathology 4488.
 reproduction 4572, 5443, 8546.
 vitellogenesis 9359.

Phasmatodea,
 behaviour 6210.

Phasmidae,
 life cycles 4638.

Phasmidtasta,
 new genus, Canada 6657.

Phaulacridium vittatum,
 jumping, visual perception 1638.

Phaulernis,
 distribution, Austria 9735.

Phausis splendida,
 bioluminescence 2638.

Pheidole,
 foraging behaviour/ecology 7014.
 mating/swarming behaviour 6922.

- Pheidole bicarinata*, soldiers, imaginal discs wings 8491.
- Pheidole dentata*, parasitism 401.
- Pheidole megacephala*, chemical control 9587. cultural control 3081.
- Pheidole militica*, foraging behaviour/trail following behaviour 9394.
- Pheidole pallidula*, caste determination 9301. caste determination, ecdysteroids 3545.
- Pheidole umbonata*, new records, introduced species, New Zealand 6487.
- Pheidolo xenus*, new species, Mexico 7357.
- Phenacoccus manihoti*, natural enemies 7011. pest status, Congo, People's Rep. 9611.
- Phenacoccus pergandei*, diglycerol tetradecanoate tetradecanoate isolation/characterization 1681.
- Phenology**,
Aedes larvae, USSR Middle Volga 411.
Agonum retractum 3821.
Alabama argillacea, USA Texas 3725.
Amphipoea interoceanica, Canada Manitoba 1077.
Aphididae, *Medicago sativa* crop fields, USA California 2947.
Caenis robusta 1096.
Carabidae, Canada Quebec 1907.
Carabidae, Poland Tatra National Park 2918.
Carabidae/Staphylinidae, soil, Germany, Fed. Rep. Westphalia 3193.
Chironomidae, Canada Quebec 580.
Cicadidae 384.
Cicadidae, forests 3849.
Cnephasia 386.
Coenagrion interrogatum 2479.
Corynoeura/Thienemanniella, USA Ohio 1475.
Costelytra zealandica, New Zealand 3735.
Cryptotermes brevis, Egypt 2818.
Culex 506.
Culex quinquefasciatus 405.
Culicidae, USSR Povolzhie 3009.
Dasineura mali/Macrolabis 2804.
Dermacentor variabilis/Ixodes dammini, USA Connecticut 442.
Diadegma/Diadromus collaris 1116.
Dioryctria, India 2809.
dispersal, *Myzus persicae*, South Africa Transvaal 394.
Erigoninae 1086.
Euschistus, orchards, USA Georgia 3717.
fertilization/oogenesis *Cnaphalocrocis medinalis* 359.
flight, *Cletus punctiger* 404.
flight, Formicidae 1105.
Haemaphysalis leporispalustris/Dermacentor variabilis 444.
Hybomitra montana 1881.
Lepidoptera, Finland Kojarvi 3221.
Linyphiidae 2781.
mating, *Phidippus johnsoni* 1062.
Myrmecocystus mexicanus 1864.
Nymphalis milberti 393.
Odagmia, Czechoslovakia 1877.
Odonata, USSR Ukraine 2808.
Oribatei, alpine environments, Austria Obergurgl 3841.
oviposition, *Culex pipiens* 2756.
Pegomya, Finland 2814.
Plecoptera, Nure R., Italy 3123.
Plecoptera, streams, Italy Appennino 2239.
Plutella xylostella 2786.
Psorophora ferox 3750.
Psychodidae, streams, Germany, Fed. Rep. 582.
Scarabaeidae, Zaire 2956.
seasonal variations, ovary/size *Polistes metricus* 205.
seasonal variations hatching, *Nephila clavipes* 1911.
Tabanidae, Czechoslovakia Jursky sur 382.
temperature effects, *Atherigona naqvii* 2783.
temperature effects, Staphylinoida 1085.
Thyrecephalus orthodoxus 3894.
Tryporyza incertulas, environmental effects, India West Bengal 403.
voltinism, *Amsacta moloneyi*, Senegal 2813.
voltinism, *Callosobruchus analis* 2819.
voltinism, environmental effects, *Bombyx mori* 2714.
voltinism *Allygus*, Hungary 3739.
voltinism *Tricorythodes atratus*, USA Minnesota 2119.
wings morphometry, *Spodoptera exempta* 915.
winter activity, Collembola, Canada 413.
- Phenols**, repellents, *Tribolium confusum* 265.
- Pherbellia**, taxonomy/new records, Holarctic Region 8195.
- Pherecydes**, new species, Ethiopian Region 4174.
- Phereoea allutella**, behaviour/life cycles 1901.
- Pheromones**, aggregation, Isopoda 4437.
aggregation pheromone, *Argas cooleyi/Ornithodoros concanensis* 9230.
aggregation pheromone, *Dysdercus similis* larvae 1722.
aggregation pheromone, *Hyalomma dromedarii* 7520.
aggregation pheromone, *Ips calligraphus* 6055.
aggregation pheromone, *Ixodes* 1698.
aggregation pheromone, *Nezara viridula* 975.
aggregation pheromone, *Tribolium* 7513.
alarm pheromone, Acari 3703.
alarm pheromone, Acaridae 4454.
alarm pheromone, alarm behaviour, behavioural genetics, *Apis mellifera* 633.
alarm pheromone, *Apis* 4438.
alarm pheromone, response, *Acyrtosiphon pisum* 8604.
alarm pheromone, *Tyrophagus putrescentiae* 7519.
alarm pheromone response, *Acyrtosiphon pisum* 971.
alarm pheromone response, age effects, *Apis mellifera* 2602.
alarm pheromone role integrated control *Myzus persicae* 568.
analogues, *Musca domestica* 4462.
analysis, methodology, Scolytidae 5988.
analysis/detection, methodology 4314.
attractants, Gelechiidae/Noctuidae pests, Bolivia 2606.
attraction disruption, *Dendroctonus brevicomis* 9231.
bioassays, equipment, Lepidoptera 1559.
biosynthesis, role myrcene, *Ips paraconfusus* 3554.
calling behaviour, reproductive isolation, *Euxoa* 2752.
chemical communication, swarming behaviour, *Polybia sericea* 6176.
chemoreceptors, Insecta 5270.
chirality, structure-activity relationship, Lepidoptera 6051.
Colletes 2928.
communication, disruption, *Orgyia antiqua* 2768.

Pheromones,(continued)

- communication, *Oecophylla longinoda* 8648.
 control Lepidoptera 7092.
 courtship, *Nasonia vitripennis* 6918.
 cultural control Lepidoptera 7877.
 cultural control Scolytidae 9596.
 cuticle waxes, response, courtship, *Nauphoeta cinerea* 3694.
 effects on agonistic behaviour, *Tetranychus urticae* 9436.
 effects on longevity, *Apis mellifera* 6058.
 effects on mating behaviour, *Choristoneura fumiferana* 8558.
 foraging behaviour/recruitment, *Nasutitermes costalis* 9644.
Formica polyctena 4461.
 host plants effects on response, *Dendroctonus rufipennis* /
Coleoptera 1136.
 Insecta, review 974.
 kairomones, cucurbitacins phagostimulants Chrysomelidae
 1941.
 mandibular glands, *Bombus terrestris* queens 5350.
 mandibular glands, *Bothroponera soror* 5332.
 marking pheromones, *Acromyrmex octospinosus* / *Atta* 5349.
 mating behaviour, Apoidea, review 1059.
 mating behaviour, *Colletes thoracicus* 5451.
 neoteny, *Zootermopsis angusticollis* 5431.
 olfactometers, Diptera/Lepidoptera 5987.
 orientation, Insecta 4445.
 orientation, *Pseudococcus calceolariae* 9371.
 oviposition deterrents, control *Rhagoletis cerasi* 7901.
 oviposition deterrents, *Rhagoletis pomonella* 5333.
 pheromone gland/brush organs, *Zygaena* 3181.
 pheromone traps, *Agrotis fucosa* 3549.
 pheromone traps, control *Adoxophyes fasciata* 2092.
 pheromone traps, control *Cydia pomonella* 4842.
 pheromone traps, control *Lobesia botrana* / *Eupoecilia*
ambiguella 5676.
 pheromone traps, control *Lymantria dispar* 5222.
 pheromone traps, *Heliothis armigera* 973.
 pheromone traps, pest control 4845.
 pheromone traps, *Prays citri* infestations, *Citrus*, Sicily
 9591.
 queen pheromone glands, *Solenopsis invicta* 7532.
 queens recognition, *Apis mellifera* 9643.
 queens, inhibition workers development, *Bombus terrestris*
 6905.
 queens, transfer, colonies *Apis mellifera* 5718.
 receptors, plants odours effects on, *Yponomeuta* 6249.
 recruitment, *Neivamyrmex nigrescens* 2102.
 response, mating behaviour, *Cydia pomonella* 352.
Reticulitermes trail pheromone, trail following behaviour
Trichopsenius depressus / *Xenistusa hexagonalis*,
 termitophily 427.
 sense organs response, juvenile hormones, *Choristoneura*
fumiferana 4377.
 sex pheromone, *Acrolepiopsis assectella* 7522.
 sex pheromone, *Amblyomma tholloni* 9405.
 sex pheromone, Aphididae 1705.
 sex pheromone, *Aphomia gularis* 7517.
 sex pheromone, *Archips cerasivoranus* 9365.
 sex pheromone, *Atrophaneura alcinous* 4451.
 sex pheromone, biological activity, *Trypodendron lineatum*
 5324.
 sex pheromone, biosynthesis, *Argyrotaenia velutinana* 7536.
 sex pheromone, *Busseola fusca* 2604.
 sex pheromone, calling behaviour, circadian rhythms,
Mamestra suasa 1064.
 sex pheromone, calling behaviour/response, *Spodoptera*
exigua 9223.
 sex pheromone, *Choristoneura conflictana* 4463.
 sex pheromone, *Choristoneura murinana* 1702.
 sex pheromone, communication disruption, *Chilo*
suppressalis 8430.
 sex pheromone, concentration, *Choristoneura fumiferana*
 2605.
 sex pheromone, control *Pectinophora gossypiella* 6338.
 sex pheromone, control *Spodoptera frugiperda* 8763.
 sex pheromone, courtship, *Drosophila melanogaster* 6050.
 sex pheromone, *Dendrolimus spectabilis* 980.
 sex pheromone, *Dermestes maculatus* 9238.
 sex pheromone, *Diaeretiella rapae* 8555.
 sex pheromone, *Dichrocrocis punctiferalis* 4591.
 sex pheromone, diets effects on, *Rhyacionia frusrana* 3550.
 sex pheromone, *Digama hearseyana* 5330.
 sex pheromone, disruption courtship, *Spodoptera littoralis*
 5422.
 sex pheromone, *Dysdercus similis* 1701.
 sex pheromone, effects on behaviour, *Glossina* 7653.
 sex pheromone, effects on courtship, *Drosophila* 8557.
 sex pheromone, electroantennograms, *Trichoplusia ni* 2542.
 sex pheromone, *Epichoristodes acerbella* 6048.
 sex pheromone, *Grapholitha molesta* 4452.
 sex pheromone, *Haematobia irritans* 4448.
 sex pheromone, *Heliothis armigera* 1707, 3552.
 sex pheromone, *Homoeosoma electellum* 1703.
 sex pheromone, interspecific interactions, *Callosobruchus* /
Zabrotes subfasciatus 4603.
 sex pheromone, *Lasioderma serricorne* 8432.
 sex pheromone, *Malacosoma californicum* 8431.
 sex pheromone, *Mamestra oleracea* 1700.
 sex pheromone, mating, *Adoxophyes* 2761.
 sex pheromone, *Naranga aeneascens* 978.
 sex pheromone, orientation, *Plodia interpunctella* 4597.
 sex pheromone, *Planococcus citri* 6056.
 sex pheromone, production/response, *Sitophilus oryzae*
 8567.
 sex pheromone, *Pseudaletia* 4447.
 sex pheromone, *Pseudococcus comstocki* 4458.
 sex pheromone, reproductive behaviour, *Amyelois transitella*
 2763.
 sex pheromone, response, *Adoxophyes orana* 3700.
 sex pheromone, response, antennae chemoreceptors, juvenile
 hormones analogues effects on, *Choristoneura fumiferana*
 221.
 sex pheromone, response *Quadraspidiotus perniciosus* 266.
 sex pheromone, role, mating behaviour, *Glossina morsitans*
 2607.
 sex pheromone, *Scotia segetum* 7515.
 sex pheromone, *Scrobipalpa ocellatella* 6052.
 sex pheromone, secretion, rectum, *Dacus oleae* 231.
 sex pheromone, *Sitotroga cerealella* 6053.
 sex pheromone, *Sparganothis* 4459.
 sex pheromone, *Sphecidae* 4455.
 sex pheromone, *Spodoptera exigua* 9237.
 sex pheromone, stereochemistry, response, *Diprion similis*
 1872.
 sex pheromone, *Thaumetopoea pityocampa* 7514.
 sex pheromone, Tortricidae 5326.
 sex pheromone, traps baits, *Plutella xylostella* 970.
 sex pheromone, *Trichoplusia ni* 4442.
 sex pheromone, *Trogoderma* 4453.
 sex pheromone, *Uteheisa ornatrix* 3704.
 sex pheromone, *Xylocopa frontalis* males 1073.
 sex pheromone analogues, behaviour/electroantennograms
Periplaneta americana 1697.
 sex pheromone analogues, *Periplaneta americana* 9232.
 sex pheromone analysis, Lepidoptera 4312.
 sex pheromone *Aonidiella aurantii* 4456.

Pheromones, (continued)

- sex pheromone *Cyclocephala* 3726.
 sex pheromone glands, *Apanteles melanoscelus* 8445.
 sex pheromone glands, leg, *Musca domestica* / *Glossina morsitans* 3553.
 sex pheromone *Heliothis armigera* 4444.
 sex pheromone *Ostrinia furnacalis* 4460.
 sex pheromone/pheromone traps, *Chrysoteuchia topiaria* 1699.
 sex pheromone receptors, *Dacus tryoni* 9172.
 sex pheromone release, circadian rhythms, *Schizaphis graminum* 5279.
 sex pheromone release, *Planococcus citri* / *Pseudococcus calceolariae* 9228.
 sex pheromone release, *Trichoplusia ni* 6824.
 sex pheromone response, environmental factors, *Sitotroga cerealella* 6054.
 sex pheromone response, *Ostrinia nubilalis* 3555.
 sex pheromone response, traps, *Spodoptera littoralis* 4449.
 sex pheromone response, *Trypodendron lineatum* 9239.
 sex pheromone response *Musca domestica* 1063.
 sex pheromone response *Pseudococcus comstocki* 1704.
 sex pheromone rhythms, *Cydia pomonella* 4436, 4588.
 sex pheromone rhythms, environmental factors, *Grapholitha molesta* 4587.
 sex pheromone specificity, *Archips* / *Choristoneura rosaceana* / *Pandemis limitata* 977.
 sex pheromone specificity, *Glossina* 2609.
 sex pheromones, electroantennograms, *Plodia interpunctella* 2603.
 social behaviour, *Apis mellifera* 4474.
 sternal gland, recruitment, *Aneuretus simoni* 6075.
 tandem running, *Pachycondyla obscuricornis* 2771.
Tessaratoma javanica 5325.
 trail following behaviour, colonies specificity, *Lasius neoniger* 1870.
 trail following behaviour, *Coptotermes formosanus* 4604.
 trail pheromone, *Coptotermes heimi* 8434.
 trail pheromone, foraging behaviour, *Myrmica* 2769.
 trail pheromone, *Iridomyrmex humilis* 3701.
 trail pheromone, pygidial gland, *Pachycondyla laevigata* 4477.
 trail pheromone, *Tenebrio molitor* 6931.
 trail pheromones, *Pheidole militica* 9394.
 use control Insecta pests, conference 3263.
 use cultural control, environmental impact 7905.
 use pest control, review 9608.
Vespa crabro 2608.
Phiale,
 polymorphism/taxonomy 8981.
 taxonomy 25, 5075.
Phidippus johnsoni,
 courtship behaviour 9367.
 males, aggressive behaviour 5454.
 mating 1062.
 mating behaviour, cannibalism effects on 6915.
 reproductive behaviour 5453.
Philaenus spumarius,
 colour polymorphism, altitude correlation 639.
 colour polymorphism, population genetics 3169.
 development, duration/temperature requirements 1035.
 hatching temperature requirements 1036.
Philanisus plebeius,
 life cycles 2796.
Philanthidae,
 behaviour 8586.
Philanthus,
 territorial behaviour/predation 1188.
Philanthus bicinctus,
 nesting behaviour 6947.
 nesting behaviour/territorial behaviour 6193.
Philanthus triangulum,
 predation *Apis mellifera*, Egypt, Arab Rep. 1995.
 sex pheromone 4455.
 toxicology, neuromuscular junctions *Schistocerca gregaria* 4353.
 venom effects on electrical properties muscles, *Schistocerca gregaria* 3465.
Philippines,
 check lists/new species Cicindelidae 6569.
 check lists/new species Heteroptera 7327.
 check lists/new species Oribatei 2280.
 new genus Pemphigidae 87.
 new records Aphididae 6529.
 new species Cerambycidae 7272.
 new species Cicindelidae 9006.
 new species Culicidae 74.
 new species Enicocephalidae 7329.
 new species Ereyetidae 8.
 new species Meloideae 9014.
 new species Nitidulidae 5835.
 new species Sarcophagidae 6618.
 new species Satyridae 133.
 new species Scarabaeidae 7293, 9019, 9020.
 new species Sphecidae 1514.
 new species Thripidae 1532.
 new species Tineidae 865.
 new subspecies *Appias phoebe* / *Parantica dannatti* 112.
 revision *Episyron* 5178.
Philiris,
 new species, Papua New Guinea/West Irian 7379.
Philonthus,
 taxonomy 4214.
Philonthus carbonarius,
 oxygen consumption, diapause, environmental factors 6807.
Philopotamidae,
 life cycles 1897.
 life cycles/production, streams, USA Georgia 3124.
 migration 3818.
 new species, Thailand 1533.
Philopotamus ludificatus,
 larvae, migration, seasonal variations, streams 3818.
Phlopteridae,
 feeding 5533.
 new records, Spain 1524, 3236.
 new species, Colombia 5209.
 new species, New Zealand 2436.
 reproductive systems 322.
 taxonomy 4291.
Philosamia cynthia,
 cell culture 4338.
 chromosomes 1311, 8811.
 circadian rhythms, moulting/prothoracicotropic hormone secretion 7625.
 glycogen/trehalose metabolism 7510.
 larvae, midgut membrane potential 950.
 larvae, proteins biosynthesis, fat body 4425.
Philosamia ricini,
 biochemistry, sex differences 6818.
 chromosome aberrations, radiation (γ) 2723.
 development, host plants effects on 3616.
 larvae, cold acclimation 1709.
 neurosecretion 9168.

- Philosamia ricini*, (continued)**
 neurosecretion cells, brain 6831.
 neurosecretion/neurohaemal organs/nerves 8441.
 sex, esterase/acetylcholine 3540.
- Philoscia muscorum*,**
 predation 3883.
- Philothermopsis*,**
 new species, Angola 3311.
 new species, Ivory Coast 3310.
- Philothermus*,**
 taxonomy 3310.
- Phlaeoba infumata*,**
 development/age effects on food consumption/assimilation 1783.
- Phleothripidae*,**
 biology 5480.
 taxonomy 4301, 4302, 8293.
- Phlebotomus*,**
 diapause 3625.
 enzyme polymorphism, population genetics 9701.
 life cycles 9401.
 taxonomy 2367.
- Phlebotomus argentipes*,**
 biting activity 5646.
- Phlebotomus papatasi*,**
 abundance/pest status, USSR Feodosia 2037.
- Phlebotomus sergenti*,**
 pathology, Entomophthorales 7542, 7543.
- Phlegra*,**
 new species, India 4167.
- Phlepsidius*,**
 new species, USSR 7337.
- Phlocidae*,**
 behaviour 5242.
- Phloeocharis*,**
 new species, France 3336.
 new species, USA 6595.
- Phloeonomus*,**
 new species, Kuril Is. 7301.
- Phloeopora*,**
 taxonomy 7298.
- Phloeosinus*,**
 taxonomy 6590.
- Phlogophora meticulosa*,**
 development, environmental factors 5428.
- Phlyctaenia perlucidalis*,**
 first record, Germany, Fed.Rep. Baden 2231.
- Phlyctinus callosus*,**
 rearing 9335.
- Phobocampe*,**
 larvae/parasitism 6972.
- Pholcidae*,**
 new species, Turkey/Canary Is. 4165.
- Pholcus*,**
 new species, Turkey/Canary Is. 4165.
- Pholeomyia texensis*,**
 host location 1893.
- Phorate*,**
 control *Amrasca devastans* 566.
 control *Ostrinia nubilalis* 3038.
 control *Pentalonia nigronervosa* 3060.
- Phoresy*,**
 Acari on *Monochamus alternatus* 2829.
 Chironomidae on Ephemeroptera/Odonata/Trichoptera 3120.
- Phoridae*,**
 life cycles 8587.
 new records, British Isles 8000.
 new records, Czechoslovakia 2214.
 new records/behaviour, USA Florida 401.
 new species, Brazil 7315.
 new species, Panama 2364.
 new species, Senegal 5888.
 parasitism 1121, 2840, 4673.
 reproduction 4518.
 taxonomy 1482, 5128.
 toxicity insecticides 305.
- Phormia regina*,**
 chemoreceptors, nerves responsiveness 2523.
 chemoreceptors, wings 5277.
 cytochrome P-450 characterization/multiple forms 956.
 food preferences, nutrition effects on 6022.
 intraspecific interactions/interspecific interactions *Phaenicia sericata* 4718.
 oogenesis, role hormones 3659.
 salivary gland, calcium transport 983.
 taste, feeding threshold 4379.
 taste receptors 4369.
- Phormia terraenovae*,**
 body composition, ageing 9294.
 flight, development 8356.
- Phorodon humuli*,**
 chemical control 7876, 7888.
 integrated control 9627.
- Phortica rufescens*,**
 taxonomy 2361.
- Phosalone*,**
 persistence, control *Psylla pyricola* 565.
- Phosmet*,**
 control *Smicronyx fulvus* 2062.
- Phosphates*,**
 calcium phosphate, effects on fecundity/longevity/development, *Tyrophagus putrescentiae* 1802.
- Phosphorothionates*,**
 toxicity, *Solenopsis richteri* 2683.
- Photedes fluxa*,**
 first record, Switzerland 5017.
- Photinus pyralis*,**
 bioluminescence 2638.
 defence, pterins/steroids 9214.
- Photoperiod*,**
 circadian rhythms diapause, *Tetranychus urticae* 1645.
 development, effects on circadian rhythms, *Leucophaea maderae* 939.
 diapause, *Aedes sierrensis* 3627.
 diapause, *Phlebotomus* 3625.
 diapause, selection, *Drosophila littoralis* 2194.
 effects on behaviour, *Manduca sexta* larvae 1020.
 effects on development, *Aedes sierrensis* 1175.
 effects on development, *Henosepilachna* 2722.
 effects on development, *Leptinotarsa decemlineata* 2736.
 effects on development/diapause, *Loxostege sticticalis* 1824.
 effects on development/reproduction, *Locusta migratoria* 2719.
 effects on diapause, *Oncopeltus* 1028.
 effects on diapause, physiology, mechanisms, Lepidoptera 2746.
 effects on diapause, *Sarcophaga argyrostoma* 1794.
 effects on fecundity, *Leptinotarsa decemlineata* 336.
 effects on feeding, *Semiadalia undecimnotata* larvae 1111.
 effects on longevity, *Vespa orientalis* 1018.
 effects on migration, *Hippodamia convergens* 1037.
 sensitivity, effects on diapause, *Epilachna vigintioctopunctata* larvae 1831.

- Photuris*,
autecology, bioluminescence 4725.
bioluminescence 1736.
bioluminescence mimicry 5449.
Photuris pennsylvanica,
bioluminescence, nerves, pharmacology 8449.
- Phoxim**,
control Psoroptidae 2029.
- Phragmatobia fuliginosa*,
sex pheromone glands, anatomy/ultrastructure 1724.
- Phrudinae**,
keys, British Isles 4986.
- Phryganidia californica*,
biological control 2066.
- Phryganopsis unipuncta*,
taxonomy 2423.
- Phthalates**,
interaction organophosphates, toxicity, *Musca domestica* 1774.
- Phthiracaridae**,
new species, Austria 3276.
new species, British Isles 3277.
new species, Java 3275.
- Phthiracarus*,
decomposition leaf litter 7019.
new species, Austria 3276.
taxonomy 3277.
- Phthorimaea operculella*,
biological control 4805, 4827.
biology 6113.
host selection 6254.
oviposition deterrents, Lamiaceae plant extracts 8636.
pheromone traps 6361.
strains, characterization 1886.
susceptibility granulosis virus 6841.
- Phyciodes**,
hybrids viability 8850.
- Phycitidae**,
behaviour 1061.
secretions 987.
- Phycodes**,
new species, Ryu Kyu Is. 114.
- Phylacteophaga froggatti*,
life cycles 406.
- Phyllobius*,
new species, USSR 5852.
taxonomy 9008.
- Phylloceridae**,
new species, USSR 7291.
- Phyllocerus*,
new species, USSR 7291.
- Phyllocoptruta*,
new species, India 7244.
- Phyllocoptruta oleivora*,
chemical control 3046, 3946.
damage *Citrus* 542.
- Phyllodesma kermesifolia*,
first record, France 8044.
- Phyllonorycter**,
abundance/distribution, USA 5592.
check lists, France Cantal 8047.
ecology/parsitism, USA 9517.
plant mines, Insecta communities 3836.
taxonomy 2428.
taxonomy/new species, Nigeria 117.
- Phyllonorycter blancardella*,
pesticide resistance azinphos-methyl, Canada Ontario 2674.
- Phyllonorycter endryella*,
first record, Italy 2428.
- Phyllophaga**,
new records, USA Mississippi 1403.
- Phyllophaga anxia*,
parasitism 2837.
- Phyllophaga crinita*,
development 1080.
rainfall/soil moisture effects on flight activity/oviposition/
survival 1876.
- Phyllophaga ephitida*,
chemical control 5684.
- Phyllophaga fimbripes*,
biology/pest status, USA Colorado 5520.
- Phyllotoma maxima*,
taxonomy 2413.
- Phyllotreta*,
new species, Europe 8131.
- Phyllotreta cruciferae*,
pest resistance *Brassica hirta* 6992.
predation 7726.
- Phylloxeridae**,
chemical control 2083.
new records, Sicily 677.
- Phylocentropus**,
biology/taxonomy/larvae 1534.
- Phylogeny**,
abdomen/genitalia, Nematocera 4099.
abdomen morphology, Hymenoptera 7990.
Acari 3483.
Acrididae 4975.
Adelidae 2421.
antennae sensilla, Coccoidea 220.
Apoidea 7179.
Araneae 6001.
Arthropoda, book 5040.
Arthropoda, review 4097.
Buchonomyia 8323.
Caraboidea 8896.
Carausius morosus /*Lonchodes pterodactylus* 6119.
Chironomidae, chromosomes 612.
Chironomidae, morphology larvae 902.
Chironomidae, morphology pupae 901.
Chironomidae, use electron microscopy(scanning) 174.
chromosomes, *Anopheles maculipennis* 4976.
chromosomes, Curculionidae 7950.
chromosomes, *Risicnemis incisa* 7955.
Coleoptera 3182.
Ctenoplectridae 2197.
Drosophila 6459.
elytra, Scaritini 8346.
embryology, *Scolypopa australis* 1789.
Eudasyphora 802.
Euplectini 1357.
genitalia, *Hypsochaenia subfusca* /*Leptobelus* 9144.
Gerridae 3185.
Gerromorpha 653.
Goeridae 9109.
gustatory stimuli, *Yponomeuta* 7991.
haemocytes, *Drosophila* 8895.
Hyocephalidae/Stenocephalidae 9134.
Iassinae, America 7992.
Lamproscatella 4235.
leg morphology, Alticinae 652.
Leptagrion bocainense 1585.
Mantichorini 6734.
maxillary palps sensilla, Simuliidae 7442.

Phylogeny,(continued)

- Mesoveliidae 5137.
Nephrotoma, west Palaearctic Region 9060.
 nervous system, Collembola 9164.
Nothomyrmecia / *Myrmecia* 1575.
Orthoprosopa / *Paratropidia* 2371.
 proteins polymorphism, *Anastrepha* 9700.
 Pygostenini 3184.
 Rhinotermitidae, wings ultrastructure 9716.
Riazocoris nigra 1563.
 Siagoninae, Ethiopian Region 1399.
 sound production, Heteroptera 8448.
 spermatogenesis/spermatozoa, Acari 8542.
 spermatogenesis/spermatozoa, Anactinotrichida 8541.
 Tenebrionidae 6458.
 Thysanoptera 2444.
 Vespidae 7989.
Zygaena, brush organs 3181.
Phylozetes,
 new species, USSR 1422.
Physobius rappi,
 taxonomy 9111.
Physococcus,
 taxonomy 2395.
Phyto,
 new species, Canary Is. 3355.
Phytocentor,
 new genus, Papua New Guinea 6644.
Phytoecia,
 check lists, Spain 4998.
Phytomyza,
 host plants, new records, Poland 666.
Phytomyza ranunculi,
 spatial distribution eggs, mathematical models 7817.
Phytoseiidae,
 biology 5473.
 check lists/new records, Hungary 2209.
 growth regulators 7599.
 integrated control *Tetranychus urticae* 1246.
 locomotor activity 1611.
 new records, Pacific Ocean Islands 6460.
 new species, Australia 10, 11.
 new species, India 4159, 4160.
 new species, Israel 4158, 8101.
 new species, USSR 12.
 new species/new records, India 5809.
 nontarget organisms 2078.
 nontarget organisms, pollution effects acaricides 3046.
 nontarget organisms insecticides 549.
 nutrition 4520.
 population dynamics 4831.
 populations 5621, 6284.
 populations, orchards, USA Maine 4754.
 predation 510, 1247, 5673, 9543.
 rearing 7415.
 taxonomy 1426, 7252.
 toxicity acaricides 9283.
Phytoseiulus macropilis,
 biological control *Tetranychus urticae* 5673.
 new records, Pacific Ocean Islands 6460.
Phytoseiulus persimilis,
 integrated control *Tetranychus urticae* 1246.
 population dynamics 6284.
 predation *Tetranychus urticae*, foraging behaviour 9543.
 predator-prey interactions, *Tetranychus pacificus*,
 mathematical models 510.
 rearing 7415.
 toxicity acaricides, temperature effects 9283.
Phytoseius,
 new species, India 4159.
Phytoseius fotheringhamiae,
 natural enemies *Tetranychus urticae* / *Panonychus ulmi*,
 insecticides effects on 549.
Piarus hispanicus,
 taxonomy 7292.
Picromerus bidens,
 biology/ecology/geographical distribution, Nearctic Region
 7224.
Pidonia,
 phenology 4653.
Pieridae,
 behaviour 387, 7657, 7665.
 behavioural genetics 3159.
 biology 4633.
 cell culture 207.
 coloration 269.
 courtship 3681.
 cultural control 2074.
 development 5396.
 diapause 2746, 4532, 4539.
 ecology 1986, 7690.
 evolution 7984.
 fat body 5309, 6134.
 hormones 4318.
 host plants 2857, 3786, 7761.
 host selection 2894.
 hybrids 3163, 3165.
 immature stages 188.
 life cycles 391.
 metabolism 3534, 6794, 7504, 9215.
 mitochondria 3522.
 nerves 8369.
 new records, Crete 4124.
 new records, Italy 696.
 new records, Italy Alps West 694.
 new species, Brazil 129.
 new species, Ghana 3402.
 new subspecies, Philippines 112.
 new subspecies, Yugoslavia/Greece 4286.
 nutrition 4423.
 oviposition 1822, 1944, 2893.
 parasitism 7738.
 pathology 9274.
 pest resistance *Brassica oleracea* 7075.
 pests *Brassica*, Brazil Curitiba 562.
 populations 3876, 5588.
 proteins 5304, 7485.
 rearing 1557.
 sense organs 1636, 5267, 8383.
 senses 5272.
 sex ratios 641.
 taxonomy 860.
 toxicity *Bacillus thuringiensis* 7569.
 traps 2970.
 water balance 2614.
Pieris,
 host preferences 3786.
 host selection/host preferences, Cruciferae 2857.
 osmotic pressure haemolymph/Malpighian tubules/rectum
 1711.
 populations, coexistence/habitat utilization 5588.
 pupae coloration, environmental effects 269.
Pieris brassicae,
 artificial diets 1557.

***Pieris brassicae*, (continued)**

carbohydrates metabolism, diapause 6794.
 central nervous system, metamorphosis 8369.
 diapause, respiration diel periodicity 4532.
 diapause, respiration rhythms 4539.
 fat body, autologous phagocytosis, ecdysones 6134.
 glucose metabolism, role hormones 3534.
 glucose/palmitic acid oxidation, development 9215.
 granulosis virus transmission 9274.
 imaginal discs wings, cell culture, ecdysone/ecdyserone metabolism/effects on differentiation 207.
 juvenile hormones, measuring techniques 4318.
 juvenile hormones analogues, biological activity 9226.
 larvae, mitochondria activity/biochemistry 3522.
 metabolism glucose/palmitic acid 7504.
 olfaction, eggs/plant extracts 5272.
 oviposition, *Cannabis sativa* plant extracts, host selection 2893.
 photoperiod effects on diapause, physiology, mechanisms 2746.
 tryptophan metabolism 4423.
 water balance, environmental effects 2614.
***Pieris callidice*,**
 x *Pieris occidentalis* hybrids, incompatibility 3163.
***Pieris napi*,**
 coevolution/host selection, Cruciferae 2894.
 oviposition site selection 7690.

***Pieris occidentalis*,**

x *Pieris callidice* hybrids, incompatibility 3163.

***Pieris protodice*,**

females, courtship 3681.
 traps, colour preferences 2970.

***Pieris rapae*,**

chordotonal organs, labial palps 5267.
 cultural control 2074.
 fat body, ultrastructure/biochemistry 5309.
 haemolymph proteins, metamorphosis 7485.
 larvae, toxicity *Bacillus thuringiensis* toxins 7569.
 mating behaviour 7657.
 oogenesis/embryogenesis 5396.
 oviposition host selection 1822, 1944.
 parasitism 7738.
 pest resistance *Brassica oleracea* 7075.
 pupae, haemolymph proteins 5304.
 tarsal chemoreceptors, sugars 8383.

***Pieris sisymbrii*,**

oviposition, host plants defence mechanisms, eggs mimicry 7761.

***Piezodorus guildinii*,**

larvae 6740.

Pigments,

carotenoids, Araneae 2595.
 carotenoids, Insecta 7502.
 carotenoids, midgut/haemolymph, *Rhynchosciara americana* 3514.
 carotenoids, role diapause induction 1027.
 drosoterins biosynthesis, role β -hydroxy- α -ketobutyric acid, *Drosophila melanogaster* 1679.
 larvae, metamorphosis, *Ephestia kuehniella* 981.
 light/xanthines effects on, cuticle, *Vespa orientalis* 2503.
 metarhodopsin photoconversion/electrical properties nerves, eye, *Drosophila* 1635.
 movements, microtubules, *Carausius morosus* 3449.
 pigmentation, polymorphism, *Porcellio dilatatus* 645.
 pteridine, *Bombyx mori* 6062.
 pteridines, eye colour mutants, *Lucilia cuprina* 961.

wings pigmentation, *Saldula fernaldi*, seasonal variations 982.

***Pigrillum*,**
 taxonomy 1455.

***Pilobatella*,**

new species, India 3274.

***Pimploterus dubius*,**

parasitism *Epinotia tedella* 4667.

***Pineus floccus*,**

life cycles/galls, Pinaceae 5493.

***Pineus pini*,**

population dynamics, Kenya 2950.

***Piona*,**

new species, Australia 8966.

***Pionella karamani*,**

first record, Poland 2211.

***Piophila caseli*,**

seminal fluid effects on fecundity/fertility 1834.

Piophilidae,

reproduction 1834.

Pipunculidae,

natural enemies *Sextius virescens* 1094.

parasitism 430, 7747.

phenology 4630.

***Pirata tenuitarsis*,**

first record, Netherlands 7184.

Pirimicarb,

control *Sitobion avenae* 545.

Pirimiphos-methyl,

control Culicidae, India 2995.

control *Sitophilus zeamais* 554.

control *Sitophilus zeamais* / *Sitotroga cerealella* 3962.

toxicity, environmental effects, *Tribolium confusum* 2680.

***Pisaura mirabilis*,**

brain, neuroendocrine system 3568.

Pisauridae,

life cycles 6196.

neurosecretion 3568.

new species, Ivory Coast/Malagasy Rep. 5074.

taxonomy 6560.

***Pissodes*,**

pest status/damage, Finland 2089.

***Pissodes notatus*,**

biology/ecology 5663.

***Pissodes pini*,**

predation 5608.

***Pissodes strobi*,**

feeding behaviour, *Picea sitchensis* plant extracts effects on 1128.

host plants site selection, seasonal variations 8581.

predation 7727.

***Pityogenes chalcographus*,**

cultural control 4810.

ecological genetics, reproductive isolation 8887.

host plants effects on development/reproduction 7776.

pest status/damage, Finland 2089.

***Pityophthorus traegardhi*,**

biology/pest status, Finland 560.

***Placusa*,**

new species, Sweden 7267.

Plagiodera,

check lists, India 2314.

***Plagiodera versicolora*,**

feeding/oviposition, interspecific interactions 5496.

***Plagiognathus*,**

abundance, *Fragaria* crop fields, Sweden 1956.

- Plagiognathus albus*, biology 3733.
- Plagiolepis pygmaea*, caste determination, corpora allata 9341.
- Planarivora*, taxonomy 9045.
- Planococcus*, taxonomy 5152.
- Planococcus citri*, parasitism 3729.
- sex pheromone 6056.
- sex pheromone release 9228.
- Plants**, 2881.
- Abelmoschus esculentus*, pest resistance, *Sylepta derogata* 1959.
- Abelmoschus moschatus*, pest status *Anomis flava*, India 2071.
- Abies*, pest resistance, *Mindarus abietinus* 8628.
- Abies grandis*, host selection, *Nosodendron californicum* 7754.
- Abies/Picea* effects on response pheromones, *Dendroctonus rufipennis* /Coleoptera 1136.
- Acacia*, host plants, Coleoptera 6252.
- Acacia*, host plants, Lepidoptera 6251.
- Acer saccharum*, pest status, *Glycobius speciosus* 5658.
- Adenia heterophylla*, new records, *Cethosia penthesilia* 6948.
- Agropyron*, pest resistance, *Labops hesperius* 9633.
- Ainus glutinosa* /*Betula pendula* host plants, seasonal variations, *Elasmucha grisea* 7775.
- Alocasia*, host plants Drosophilidae 5885.
- Alocasia macrorrhizos*, pest status, *Cruria donowani* 6990.
- alternative hosts, *Gossypium* crop fields, *Bemisia tabaci* 1963.
- Ambrosia dumosa*, life cycles, *Procecidochares* 7698.
- Angelica archangelica*, life cycles *Aethes fennicana* 7683.
- Antiaris africana*, pest status *Triozamia lamborni* 6205.
- Aphididae transmission turnip mosaic virus 1952.
- Arachis hypogaea*, effects on fecundity/food preferences, *Tetranychus urticae* 6283.
- Arachis hypogaea* crops, pests, Canada Ontario 5696.
- Arctostaphylos uva-ursi*, new records host plants, *Haploa confusa* 3803.
- Aristolochia reticulata*, reproductive success, *Battus philenor* feeding effects on 4686.
- Asclepias*, host preferences *Oncopeltus fasciatus* 1982.
- Asclepias curassavica*, Formicidae nectar robbing behaviour effects on pollination 2879.
- Asclepias curassavica*, seeds, resource utilization/competition *Oncopeltus* 1132.
- Asparagus*, pest status/population levels Insecta 7890.
- Astragalus miser* nectar, toxicity, *Apis mellifera* 6109.
- Avena*, pest resistance, *Oscinella frit* 6996.
- Avena sativa*, Aphididae vectors barley yellow dwarf virus 2855.
- Azadirachta indica* plant extracts, growth regulators/antifeedants, *Epilachna varivestis* /*Ephestia kuehniella* /*Apis mellifera* 2720.
- Bacharis sarothroides*, association Insecta 4697.
- beech bark disease, transmission, *Cryptococcus fagi* 1940.
- Beta vulgaris*, host selection, chemical stimuli, *Pegomya betae* 5565.
- Beta vulgaris*, transmission beet curly top virus, *Circulifer tenellus* 6237.
- Beta vulgaris* viruses, transmission, *Aphis fabae* /*Myzus persicae* 1268.
- Betula*, fauna, Sweden Lapland 472.
- Betula ellegheniensis*, new records host plants *Gracillaria elongella* 470.
- Betula pubescens*, defence mechanisms, role population dynamics *Oporinia autumnata* 2899.
- Betula pubescens*, pest status, *Dineura virididorsata* /*Eriocrania* 8761.
- Betula* /*Salix*, biotypes *Lochmaea capreae*, USSR Moscow 1091.
- Brassica*, host plants, effects on population dynamics, *Aleyrodes brassicae* 2936.
- Brassica*, host plants, Lepidoptera, Brazil Curitiba 562.
- Brassica*, oviposition host selection, *Pieris rapae* 1944.
- Brassica*, pesticide resistance Insecta pests 570.
- Brassica hirta*, pest resistance, *Phyllotreta cruciferae* 6992.
- Brassica napus*, Diptera fauna, Poland 8032.
- Brassica napus*, pest status/chemical control *Ceutorhynchus quadridens*, England 3035.
- Brassica napus*, plant extracts, repellents, *Tribolium* 6059.
- Brassica napus*, pollination, *Apis mellifera* 4679.
- Brassica nigra* water content, host selection, *Pieris rapae* 1822.
- Brassica oleracea*, effects on population growth/fecundity, *Aleyrodes brassicae* 5419.
- Brassica oleracea*, pest resistance, Lepidoptera 7075.
- Brassica oleracea*, pest resistance, *Phaedon cochleariae* 2900.
- Brassica oleracea*, pest status, *Delia brassicae* 6342.
- Brassica oleracea* plant extracts, olfaction, *Pieris brassicae* 5272.
- Brassica oleraceae*, pest status, *Delia brassicae* 7084.
- Brassica oleraceae* crop production (intercropping), *Spergula arvensis*, control pests Insecta 2074.
- Bunchosia pilosa*, population dynamics/population density *Uroplata*, Costa Rica 498.
- Buxus*, susceptibility, *Monarthropalpus buxi* 5571.
- Cajanus cajan*, pests Insecta, India Uttar Pradesh 3096.
- Calotropis gigantea*, foliage, food quality, *Danaus chrysippus* 8407.
- Cannabis sativa*, plant extracts, host selection, oviposition, *Pieris brassicae* 2893.
- Carduus*, weed control, *Rhinocyllus conicus*, USA Maryland/Pennsylvania 9610.
- Carduus*, weed control, 2,4-D effects on *Ceuthorrhynchidus horridus* 1008.
- Carduus nutans*, weed control, *Ceuthorrhynchidus horridus* 7870.
- Carduus nutans*, weed control, Curculionidae 1934.
- Carduus nutans*, weed control, 2,4-D + *Rhinocyllus conicus* 5687.
- Carya pecan*, pest status, *Cossula magnifica* 5695.
- Cassia*, host preferences Bruchidae, taxonomic significance 478.
- Catasetum maculatum*, foraging behaviour *Eulaema* 5583.
- Centaurea*, damage, *Urophora* 6242.
- Centaurea*, flowers, distribution *Urophora* galls 2925.
- Centaurea*, weed control, *Urophora*, Canada 6243.
- cereals, growth effects on development/reproduction *Rhopalosiphum padi* 9472.
- cereals, population dynamics Aphididae 6300.
- cereals crops, abundance/distribution Aphididae 8676.
- chemicals, attraction Insecta, review 1129.
- chemicals sequestering, Insecta, review 1148.
- Chrysanthemum* /*Anthyllis alpestris*, host plants, new records, *Phytomyza* 666.
- Chrysothamnus*, galls *Procecidochares* 380.
- Cirsium eriophorum*, host plants, *Procris subsolana* 3716.

Plants,(continued)

- Citrus* , chemical control Coccoidea 1237.
Citrus , pest resistance, Tetranychidae 2892.
Citrus , pest status, Aleyrodidae 6310.
Citrus , pheromone traps, *Prays citri* infestations, Sicily 9591.
Citrus , transmission citrus tristeza virus, *Aphis citricola* 6987.
Citrus damage, *Phyllocoptruta oleivora* 542.
Citrus /*Pittosporum tobira* , parasitism Aphididae, Braconidae, Italy 9449.
Citrus varieties, population levels, *Eutetranychus banksi* 9491.
Clematis vitalba , host plants, new records *Sterrha vulpinaria* 475.
Cocos nucifera , Auchenorrhyncha surveys, yellows, USA Florida 3811.
Cocos nucifera host plants, new records, *Rhizococcus* 6253.
 coevolution, Insecta 7176.
 coevolution Hymenoptera 3788.
Coffea , pest resistance, *Leucoptera meyricki* 1962.
Coffea arabica , food consumption/damage *Eacles imperialis* 3951.
Coleopsis lanceolata , plant extracts, growth regulators, *Drosophila melanogaster* 3649.
 Compositae, abundance Coleoptera/Lepidoptera 460.
 conifers, damage *Choristoneura fumiferana* 5712.
Costus woodsonii , coevolution, Formicidae 5557.
 cover effects on oviposition/eggs survival, *Delia brassicae* 1174.
 crops, pests, Finland 7098.
Crotalaria juncea food plants, effects on development, *Argina cribaria* 6995.
 Cruciferae, allelopathy effects on behaviour, Insecta 4691.
 Cruciferae, coevolution/host selection *Pieris napi* 2894.
 Cruciferae, host preferences *Pieris* 3786.
 Cruciferae, host selection/host preferences *Pieris* 2857.
Cucumis melo , pest resistance, *Diabrotica undecimpunctata* 5572.
Cucumis melo , transmission plant viruses, *Aphis gossypii* 3810.
Cucumis sativus , pest resistance, *Tetranychus urticae* 3804, 7101.
Cucurbita , cucurbitacins, phagostimulants Chrysomelidae 1941.
Cucurbita moschata , plant chemicals, feeding deterrents, *Epilachna tredecimnotata* 1939.
Cupressus sempervirens , pest status *Trisetacus juniperinus* , Italy 546.
Cynanchum acutum , host plants, new records, *Spodoptera littoralis* 6989.
Cynodon dactylon /*Sorghum bicolor* /*Zea mays* , pest resistance, *Spodoptera frugiperda* 8627.
Cyperus rotundus , host plants *Sanctanus fasciatus* 3780.
Cypripedium acaule , pollination, *Bombus* , non-target organisms, fenitrothion 6359.
Cypripedium candidum , pollination, Andrenidae/Halictidae 8637.
Dactylorhiza sambucina , pollination, *Bombus* 3799.
Dalbergia , plant extracts, toxicity, *Uettheisa pulchella* 1779.
Datura discolor , seeds dispersal, mutualism Formicidae 3796.
 deciduous plants, pests Insecta 9482.
Elaeis guineensis , red ring disease, vectors, *Rhynchophorus palmarum* 6994.
Eleusine coracana , pest resistance, *Sesamia inferens* 7774.
Epipactis palustris , pollination, Diptera/Hymenoptera 7752.
 epiphytes, symbiosis Formicidae 4705.
Erica arborea , infestations, *Bostrychus capucinus* /*Lyctus brunneus* 459.
Erica cinerea, ecology *Kleidocerys truncatulus* 2924.
Eriocereus martinii , weed control, *Cactoblastis* 7753.
Erioptrya japonica damage, *Platypleura kaempferi* 450.
Eruca vesicaria , host plants, *Macrosiphum euphorbiae* /*Myzus persicae* 473.
Eucalyptus , host plants, Lepidoptera 8082.
Eucalyptus , plant mines *Phylactophaga froggatti* 406.
Eucalyptus blakelyi effects on population changes *Glycaspis* 1950.
Eucalyptus sap, feeding behaviour, Satyridae 6964.
Euphorbia , weed control, *Oberea erythrocephala* 5566.
Euphorbia pyrifolia , leaves senescence effects on population levels, *Icerya seychellarum* 1949.
Fagus , *Cryptococcus fagisuga* association *Nectria coccinea* canker 3797.
Ferocactus gracilis , association Formicidae 4698.
Ficus , coevolution *Lissocephala* , Ethiopian Region 800.
Ficus sycomorus , pollination, *Ceratosolen arabicus* 3776.
 flowers, foraging behaviour, *Tenthredo* 5528.
 flowers, resource partitioning *Bombus* , proboscis role 2957.
 food plants, *Antheraea polyphemus* 5561.
 food plants, *Apis mellifera* 7770.
 food plants, effects on development/reproduction, *Heliothis armigera* 2713.
 food plants, effects on egg masses/larvae dispersal, *Lymantria dispar* 7814.
 food plants, food consumption/digestion, *Heliothis armigera* 3778.
 food plants, preferences, *Teleogryllus commodus* 6239.
 food plants defence mechanisms, *Potamophylax cingulatus* 8631.
 food plants effects on development/reproduction, *Dysdercus cingulatus* 5409.
 food quality effects on alary dimorphism, *Laodelphax striatellus* 3167.
Fragaria , infestations *Stelidota geminata* 1149.
Fragaria , pest resistance, *Tetranychus urticae* 1966, 2904.
Fragaria chiloensis , pest resistance, *Chaetosiphon* 1936.
Fragaria crop fields, abundance Heteroptera pests, Sweden 1956.
Fragaria damage, *Tetranychus urticae* 1145.
Fragaria vesca , pest status, *Lygus lineolaris* 9496.
 fruits, Typhlocybinae infestations, Pakistan 9470.
 galls, polymorphism/geographical distribution, *Pemphigus populitransversus* 8632.
 galls/plant mines, Insecta communities 3836.
Glycine max , damage, *Heliothis zea* 1135.
Glycine max , effects on life cycles, *Anticarsia gemmatilis* 8582.
Glycine max , pest resistance, *Heliothis zea* 7768, 8739.
Glycine max , pest resistance, *Nezara viridula* 4836.
Glycine max , pest status, *Melanophus* 4822.
Glycine max , pest status/transmission bean pod mottle virus, *Cerotoma trifurcata* 7096.
Glycine max , population dynamics/pest status *Epinotia aporema* , Brazil 574.
Glycine max , soybean mosaic virus, vectors, Aphididae 6986.
Glycine max effects on population dynamics, *Plathypena scabra* 5674.
Glycine max /*Gossypium* , food consumption, *Graphognathus* 419.
Glycine max /*Vigna radiata* , pest resistance, *Melanogromyza sojae* /*Ophiomyia* 1140.

Plants,(continued)

- Gmelina arborea*, biology/pest status *Ozola minor*, Philippines 1884.
- Gossypium*, bionomics/control Insecta pests, Australia 3033.
- Gossypium*, gossypol, toxicity, *Spodoptera littoralis* 8474.
- Gossypium*, *Heliothis zea* damage, mathematical models 3963.
- Gossypium*, pest resistance, *Anthonomus grandis* 1131.
- Gossypium*, pest resistance, Insecta, review 7891.
- Gossypium*, pest resistance, *Spodoptera littoralis* /*Earias insulana* 4685.
- Gossypium*, pest status/damage *Heliothis armigera*, India 2076.
- Gossypium* crops, diflubenzuron effects on nontarget organisms 6344.
- Gossypium* crops, population levels, *Anopheles albimanus* 7825.
- Gossypium* effects on distribution *Amrasca devastans* 1977.
- Gossypium hirsutum*, Aphididae pests, Greece 3084.
- Gossypium hirsutum*, artificial infestations, *Heliothis virescens* 3107.
- Gossypium hirsutum*, chemical control *Heliothis zea* 4807.
- Gossypium hirsutum*, chemical control pests 9616.
- Gossypium hirsutum*, damage, *Pectinophora gossypiella* 9612.
- Gossypium hirsutum* - gossypol digestion/excretion, *Dysdercus fasciatus* 8394.
- Gossypium hirsutum*, life cycles/pest status, *Heliothis armigera* 7902.
- Gossypium hirsutum*, pest resistance, *Anthonomus grandis* 8626.
- Gossypium hirsutum*, pest resistance, *Heliothis virescens* 8643.
- Gossypium hirsutum*, pest resistance, *Lygus hesperus* 9485.
- Gossypium hirsutum*, pest resistance, *Pectinophora gossypiella* 6364, 8624.
- Gossypium hirsutum*, pest status, *Alabama argillacea* 4830.
- Gossypium hirsutum*, pest status/damage *Campylomma livida* /*Megacoeleum modestum*, Australia Queensland 3082.
- Gossypium hirsutum*, spatial distribution predators 2971.
- Gossypium hirsutum* /*Abelmoschus esculentus*, attractants, *Eucelatoria*, environmental effects 1137.
- Gossypium hirsutum* crops, chemical control *Heliothis armigera* /effects on nontarget organisms 8740.
- Gossypium hirsutum* pollen, effects on growth *Heliothis virescens* 1152.
- Graminae, effects on survival/reproduction Aphididae 1150.
- Graminae, host plants, new records, Insecta/Acari 4695.
- Graminae, pest resistance, *Hyperodes bonariensis* 3789.
- Graminae, pest resistance, *Metopolophium dirhodum* 3808.
- Graminae, pest status, Aphididae 4812.
- Graminae flowers, food plants, Lepidoptera 5573.
- Granadilla*, effects on oviposition, *Heliconius* 6173.
- grasslands, host plants effects on development/survival, *Inopus rubriceps* 3845.
- Gynura angustosa*, host plants *Aphis gossypii* 3777.
- Halimium umbellatum*, new records host plants *Dipluriella loti* 1103.
- Helianthus*, coevolution, Apoidea 6993.
- Helianthus*, pest resistance, *Zygogramma exclamationis* 5678.
- Helianthus annuus*, Insecta pests, USA Georgia 1244.
- Helianthus annuus*, pest status, *Dolycoris baccarum* 8635.
- Helianthus annuus*, pest status, *Eucosma womonana* 4835.
- Helianthus annuus*, pollination, Hymenoptera 8642.
- Helianthus annuus*, pollination/foraging behaviour, *Apis mellifera* 7763.
- Helianthus annuus* seeds, consumption/damage, *Smicronyx fulvus* 2062.
- Helianthus* /*Viguiera porteri*, pest resistance, *Masonaphis masoni* 456.
- Helianthus* /*Viguiera porteri*, pest resistance, *Bothynus gibbosus* 1961.
- Heliconia*, nutrition, Insecta 8634.
- Heliconia aurea*, resource partitioning, *Culex bahaicolus* /*Trichoprosopon digitatum* /*Wyeomyia felicia* 4745.
- Heliconia aurea* aquatic environments, population structure, Culicidae 8656.
- Heracleum*, pollination, Insecta 7767.
- herbaceous plants, mutualism, Formicidae, mathematical models 2889.
- Herniaria glabra*, host plants *Coleophora scabrida* 1564.
- Heteromeles arbutifolia*, toxicity, Insecta 4506.
- Heterotheca subaxillaris*, association Insecta 3800.
- Hordeum* proteins evaluation, bioassays, *Tribolium confusum* 1548.
- Hordeum vulgare*, cultural control Aphididae 5703.
- Hordeum vulgare*, pest resistance, *Oulema melanopus* 1153.
- Hordeum vulgare*, pest status, Aphididae 8769.
- Hordeum vulgare* /*Triticum aestivum*, biology, *Aelia germari* 4636.
- host plants, *Acyrtosiphon pisum* 4628.
- host plants, adaptations, *Tetranychus urticae* 4689.
- host plants, adaptations midgut pH, Lepidoptera larvae 2563.
- host plants, *Aleurocanthus woglumi* 9494.
- Plants.,**
- host plants, *Altica*, Israel 9375.
- Plants,**
- host plants, Alydinae 458.
- host plants, *Aphis*, Canada 89.
- host plants, attractants, *Dendroctonus frontalis* associated fauna/natural enemies 6049.
- host plants, biology *Tenuipalpus granati* 6939.
- host plants, *Bruchidius* 194.
- host plants, Callipterinae 2006.
- host plants, Cecidomyiidae 2874.
- host plants, *Chionanthobius* 8140.
- host plants, *Cnephasia* 1090.
- host plants, coevolution, eggs mimicry, *Heliconius* 9483.
- host plants, *Composoma* 1097.
- host plants, damage, Cecidomyiidae galls 6244.
- host plants, development *Dacus oleae* 6246.
- host plants, effects on development, *Diacrisia obliqua* 2868.
- host plants, effects on development, *Melanoplus bivittatus* 4516.
- host plants, effects on development, *Pericallia ricini* 3782.
- host plants, effects on development/morphometry, *Schistocerca gregaria* 5554.
- host plants, effects on development/survival *Aleurocanthus woglumi* 7755.
- host plants, effects on fecundity/longevity, *Graphognathus peregrinus* 7759.
- host plants, effects on population dynamics, *Neoaliturus fenestratus* 4731.
- host plants, effects on population dynamics, Homoptera 5609.
- host plants, effects on population dynamics, *Dysdercus bimaculatus* 7816.
- host plants, effects on reproduction, *Otiorynchus sulcatus* 9468.
- host plants, effects on size, Noctuidae 9142.
- host plants, effects on survival/fecundity, *Zonocerus variegatus* 5564.
- host plants, *Eldana saccharina* 4611.

Plants,(continued)

- host plants, feeding/oviposition *Scaphytopius acutus* 1147.
 host plants, food consumption/growth *Heteronychus arator* larvae 7757.
 host plants, food preferences, *Heliothis zea* 6960.
 host plants, growth, effects on development, *Ostrinia furnacalis* larvae 7765.
 host plants, host selection Aphididae 2854.
 host plants, host selection/effects on development, *Diaphania nitidalis* 9489.
 host plants, Lepidoptera, Hungary 2860.
 host plants, *Neochetina affinis* 9381.
 host plants, new records, Aphididae 8060.
 host plants, new records, *Callirhopalus bifasciatus* 7439.
 host plants, new records, *Euphydryas* 468.
 host plants, new records, *Kurtomathrips morrilli* 8329.
 host plants, new records *Saturnia pavonia* 477.
 host plants, *Pericallia ricini* 5479.
 host plants, phenology *Pidonia* 4653.
 host plants, *Poecilocapsus lineatus* 9395.
 host plants, preferences, *Papilio machaon* 5562.
 host plants, *Pseudophilotes*, Spain 3878.
 host plants, Pyralidae 7440.
 host plants, relationship bionomics *Enchenopa binotata* 1355.
 host plants, resource utilization, oviposition, *Magicalda* 2762.
 host plants, *Saperda populnea* 2806.
 host plants, seasonal variations, *Lygus lineolaris* 2948.
 host plants, seeds, specificity, Coleoptera 5570.
 host plants, Sesiidae 5482.
 host plants, *Sonia filiana* / *Eucosma ridingsana* 7438.
 host plants, *Synanthedon* 8573.
 host plants, Syrphidae 7199.
 host plants, *Tetanops myopaeformis* 7764.
 host plants *Allygus*, Hungary 3739.
 host plants amino acids, phagostimulants, Acrididae 6218.
 host plants *Anacanthotermes ochraceus*, Egypt, Arab Rep. 3217.
 host plants association, *Alagoasa bicolor* 3831.
 host plants *Chromatomyia* 2352.
 host plants *Contarinia sorghicola* 464.
 host plants effects on development, *Philosamia ricini* 3616.
 host plants effects on eggs distribution, Lepidoptera 1356.
 host plants effects on enzymes activity, *Peridroma saucia*, pesticide resistance 2876.
 host plants effects on fecundity, *Leptinotarsa decemlineata* 336.
 host plants effects on oviposition/survival, *Aleurodicus dispersus* 2877.
 host plants effects on population dynamics, *Fiorinia externa* / *Tsugaspidiotus tsugae* 5590.
 host plants effects on population growth, *Heliothis armigera* 7023.
 host plants effects on reproduction, *Tetranychus urticae* 6247.
 host plants *Hypogymna morio* 1900.
 host plants-Insecta relationship, urban environments 5560.
 host plants Lepidoptera, evolution, review 1139.
 host plants phenology, adaptations, *Alsophila pometaria* 5523.
 host plants *Pineus floccus* 5493.
 host plants range extension, Insecta 1965.
 host plants Scolytidae, adaptations 1957.
 host plants selection, *Battus philenor* 8630.
 host plants selection, Insecta 9479.
 host plants selection, seasonal variations, *Rhynchaenus fagi* 9429.
 host plants site selection, seasonal variations, *Pissodes strobi* 8581.
 host plants sterols, metabolism, *Apis mellifera* 8411.
 host plants *Tetranychus cinnabarinus* 4684.
 host plants volatiles, attractants, *Pectinophora gossypiella* 9465.
 host plants weeds, *Lygus* 7778.
 host preferences, development/survival, *Heteracris littoralis* 5553.
 host preferences, *Ips paraconfusus* 5559.
 host preferences, *Onychiurus fimatus* 5537.
 host selection, early experience, *Heliothis armigera* 9488.
 host selection, eggs coloration, Pieridae 7665.
 host selection, evolutionary genetics, *Echenopa binota* 9703.
 host selection, *Heliconius hecale* 356.
 host selection, *Ogyris amaryllis* 6265.
 host selection, *Phorimaea operculella* 6254.
 host selection/coevolution, Aphididae 2853.
 host selection *Hercinotrips femoralis* 6351.
 host specificity/host selection, *Sternorrhyncha* 2902.
Humulus lupulus, pest resistance, *Tetranychus urticae* 1134, 1146.
Hybanthus prunifolius, pollination, *Melipona interrupta* 1953.
Hydrangea, feeding damage, *Brachyurothrips anomalous* 6000.
Hymenaea resins, repellents/toxicity, *Spodoptera exigua* 7766.
 interaction Insecta, ecology 2865.
Ipomoea, pest status, new records, *Aspidomorpha furcata* 6335.
Ipomoea batatas, evaluation, *Cylas formicarius* 471.
Ipomoea batatas, pest resistance, *Cylas formicarius* 2872.
Iva xanthifolia, life cycles, *Smicronyx commixtus* 7699.
Jasminum grandiflorum, first record/pest status, *Sycophila* 6369.
Lactuca, pest resistance, *Trichoplusia ni* 7903.
Lactuca sativa, pest resistance, *Pemphigus bursarius* + *Bremia lactucae* 3775.
Laelia, fauna, new records, introduced species, New Zealand 6461.
 Lamiaceae plant extracts, oviposition deterrents, pests Insecta 8636.
Lantana camara, weed control, Insecta 6238.
Lantana tiliaefolia, biology *Hylesia*, Brazil 395.
Larix, host plants, nutrition suitability, *Pristiphora erichsonii* 9464.
Larix host plants, *Blattotere laevigatella* 8663.
 leaf litter, feeding/nutrition, *Oniscus asellus* 6219.
 Leguminosae, pest resistance, *Acyrtosiphon kon loi* / *Therioaphis trifolii* 1955.
 Leguminosae, pest resistance, Scarabaeidae 3794.
 Leguminosae phytoalexins effects on feeding, *Costelytra zealandica* / *Heteronychus arator* 1141.
Linum perenne, pollination, Diptera/Hymenoptera 1958.
Listera cordata / *Scolioptus bigelovii*, pollination, Sciaridae/Mycetophilidae 452.
Lolium, *Aceria tulipae* infestations, British Isles Wales 9463.
Lotus corniculatus, host selection/pollination, *Apis mellifera* 5558.
Ludwigia, weed control, *Haltica cyanea* 5659.
Luehea seemannii, community composition/trophic relations Coleoptera 8688.
Lycopersicon, damage, *Heliothis zea* 2456.
Lycopersicon, pest resistance, *Bemisia tabaci* 9486.
Lycopersicon, pollination, Apidae 5567.

Plants,(continued)

- Lycopersicon esculentum*, pest resistance, *Neoleucinodes elegantalis* 7104.
- Lycopersicon esculentum* / *Nicotiana tabacum* plant chemicals, behaviour *Manduca sexta* 4682.
- Malpighia punicifolia*, pollination, *Centris dirrhoda* 1938.
- Malus*, chemical control Coleoptera pests 6357.
- Malus*, chemical control/damage, Tortricidae 2098.
- Malus*, Leucoptera scitella plant mines, spatial distribution, seasonal variations 3834.
- Malus*, pest resistance, *Eriosoma lanigerum* 8776.
- Malus domestica*, pest resistance, *Panonychus ulmi* 3801.
- Malus domestica*, pollination/foraging behaviour *Apis mellifera* 451.
- Malus* host plants, first record, *Barberiella formicoides* 8594.
- Malus* odours, effects on behaviour, *Cydia pomonella* 6257.
- Malus* orchards, abundance/distribution *Phyllonorycter* 5592.
- Malus* orchards, chemical control pests 6346.
- Malus* orchards, integrated control pests 7887.
- Malvaceae host plants, effects on life cycles, *Dysdercus* 6194.
- Mangifera indica*, pest status, first record, *Rapala manea* 6354.
- Mangifera indica*, pests, Pakistan Karachi 3099.
- Manihot esculenta*, community composition fauna 7002.
- Manihot esculenta*, pest resistance, *Mononychellus tanajoa* 2897.
- Medicago*, damage, *Therioaphis trifolii* / *Acyrtosiphon kondoi* 5569.
- Medicago*, pest resistance, *Hypera postica* 9474.
- Medicago*, pest resistance, *Therioaphis* 3072.
- Medicago*, pest resistance, *Therioaphis trifolii* 8641.
- Medicago sativa*, damage/pest status *Acyrtosiphon*, New Zealand 3978.
- Medicago sativa*, pest resistance, *Acyrtosiphon kondoi* 548, 3785.
- Medicago sativa*, pest resistance, *Eriophyes medicaginis* 8638.
- Medicago sativa*, pest resistance, *Therioaphis trifolii* 6241.
- Medicago sativa*, pest status, *Agromyza frontella* 5666.
- Medicago sativa*, pest status *Eriophyes medicaginis* 9614.
- Medicago sativa*, pollination, *Apis mellifera* 8629.
- Medicago sativa* effects on foraging behaviour, *Apis mellifera* 2873.
- Medicago sativum*, pest control/pest resistance, *Heliothis* / *Acyrtosiphon kondoi* 2086.
- medicinal plants, host plants Insecta aposematic colour 4680.
- Melaleuca leucadendron* plant chemicals, antifeedants, *Lymantria dispar* 6057.
- Melissa officinalis*, volatiles, attractants *Apis mellifera* 2905.
- Melittis melissophyllum*, new records host plants, *Eysacoris fabricii* 6245.
- Mentha piperita*, effects on metabolism/toxicity insecticides, *Peridroma saucia* 9615.
- Mentha piperita*, pest status, *Peridroma saucia* 6376.
- Moringa oleifera*, pest status *Helopeltis antonii*, India 3964.
- Morus alba*, mycoplasmas, vectors, *Hishimonus sellatus* 5317, 5563.
- Myriophyllum aquaticum*, first record/life cycles, *Lysathia ludoviciana* 7769.
- nectar, foraging behaviour *Apis mellifera*, Israel 467.
- nectar robbing behaviour, Eumenidae 1143.
- Nelumbo lutea*, decomposition effects on population levels, Chironomidae 4001.
- Nepenthes*, Insecta/Arachnida fauna 1945.
- Nerium odorum*, toxicity, *Utiethesia pulchella* 2869.
- Nerium oleander* host plants, life cycles *Oncopeltus fasciatus* 1144.
- Nicotiana*, pest resistance, *Spodoptera litura* 3971.
- Nicotiana tabacum*, cultural control *Epitrix hirtipennis* / *Heliothis virescens* / *Manduca sexta* 5672.
- Nicotiana tabacum*, damage/pests management, *Heliothis virescens* 3063.
- Nicotiana tabacum*, pest resistance, *Chrysodeixis argentifera* 5711.
- Nicotiana tabacum*, pest resistance, *Myzus persicae* 9492.
- Nicotiana tabacum*, pest status, *Heliothis virescens* 5688.
- Nicotiana tabacum* nutrition, effects on abundance *Epitrix hirtipennis* / *Manduca sexta* 1133.
- nutrition *Tineola bisselliella* 1656.
- Ochna*, host plants, *Charaxes marieps* 9403.
- Ocimum basilicum*, plant extracts, juvenile hormones activity 2887.
- Olea europaea*, pest status, *Dacus oleae* 7097.
- Olea europaea*, Tenuipalpidae surveys, Italy 8972.
- Opuntia*, pollination, Insecta 4693.
- Opuntia* weed control/ecology fauna 463.
- ornamental plants, host plants, Acari 7777.
- ornamental plants, integrated control pests 5686.
- Oryza*, pest resistance, *Nephotettix* 2859.
- Oryza sativa*, damage, *Orseolia oryzae*, India 2866.
- Oryza sativa*, host preferences, oviposition/development *Sitotroga cerealella* 2863.
- Oryza sativa*, host preferences *Nephotettix cincticeps* 9467.
- Oryza sativa*, *Orseolia oryzae* infestations, Java 9628.
- Oryza sativa*, pest resistance, *Sogatella furcifera* 8633.
- Oryza sativa*, pest status, *Aleurocybotus indicus* 6377.
- Oryza sativa*, plant chemicals, attractants Delphacidae 9490.
- Oryza sativa* plant extracts, ingestion deterrents, *Nilaparvata lugens* 1113.
- Oryza* / *Triticum*, diets, *Tribolium castaneum* 8412.
- oviposition site selection, *Aedes vexans* 7664.
- Panicum*, host plants, *Languria erythrocephalus* 2792.
- Panicum miliaceum*, pest resistance, Insecta 9476.
- Parthenium hysterophorus*, Insecta fauna, India Tamil Nadu 466.
- Parthenium hysterophorus*, Insecta fauna, Argentina/Brazil 476.
- Paspalum dilatatum*, pollination, Insecta 7772.
- Passiflora*, leaves, food selection *Heliconius* / *Osmilia flavolineata* 4700.
- Passiflora*, pollination, *Xylocopa mordax* 6255.
- Passiflora* host plants, feeding, *Dasiops* 8192.
- Penisetum purpureum*, pests 8744.
- pest resistance, population dynamics pests 5555.
- pest resistance, review 3792, 8639.
- Petunia hybrida*, taste aversion learning, *Diacrisia virginica* / *Estigmene congrua* 5466.
- Phaseolus mungo*, pest resistance, Insecta 6256.
- Phaseolus vulgaris*, control/pest status, weeds/*Empoasca kraemeri* 7072.
- Phaseolus vulgaris*, oviposition site selection *Empoasca kraemeri* 1942.
- Phaseolus vulgaris*, pest resistance, *Ophiomyia phaseoli* 457.
- Phaseolus vulgaris* seeds effects on development, *Acanthoscelides obtectus* 2882.
- Phaseolus vulgaris* / *Vigna sinensis*, host plants effects on biology/development, *Empoasca kraemeri* 1882.
- Phoradendron flavescens*, host plants, first record, *Citheronia regalis* 1130.
- Physalis*, host plants *Heliothis* 3787.
- Physalis peruviana*, steroids, antifeedants *Spodoptera littoralis* 2884.

Plants,(continued)

- Picea*, pest status *Pityophthorus traegardhi* 560.
Picea abies, cultural control *Pityogenes chalcographus* 4810.
Picea abies effects on development/feeding, *Gilpinia hercyniae* 6991.
Picea abies / *Pinus sylvestris*, resins, toxicity, *Culex pipiens* 3603.
Picea excelsa, effects on development/reproduction, *Pityogenes chalcographus* 7776.
Picea sitchensis, plant extracts, effects on feeding behaviour, *Pissodes strobi* 1128.
Pinaceae, first record *Stenolechia bathrodyas*, North America 5036.
Pinaceae growth, Insecta effects on 6988.
Pinus, association *Ceratocystis ips* / *Orthotomicus erosus* 7787.
Pinus, chemical control Aphididae 3041.
Pinus, host plants, attractants, *Eucosma sonomana* 3781.
Pinus, new records host plants, *Dereodius pollinosus* / *Xanthochelus faunus* 3076.
Pinus canariensis, pest status *Pissodes notatus*, Canary Is. 5663.
Pinus contorta, ecosystems, role *Dendroctonus ponderosae* 2084.
Pinus contorta, effects on behaviour, *Dendroctonus ponderosae* 2862.
Pinus contorta, infestations, *Dendroctonus ponderosae* 1239.
Pinus damage, chemical control *Eucosma sonomana* 1252, 1253.
Pinus murrayana damage, mathematical models, *Dendroctonus ponderosae* 465.
Pinus oils, repellents, *Gnathotrichus* / *Trypodendron lineatum* 263.
Pinus ponderosa, association Insecta 4706.
Pinus ponderosa, host selection behaviour, Scolytidae 9480.
Pinus ponderosa, infestations *Petrova metallica* 1964.
Pinus ponderosa, life cycles adaptations, *Nuculaspis californica* 9399.
Pinus ponderosa, myrcene, role pheromones biosynthesis, *Ips paraconfusus* 3554.
Pinus ponderosa, pest status, Coleoptera 5681.
Pinus ponderosa damage, *Dendroctonus brevicomis* 4814.
Pinus radiata, community structure *Ips paraconfusus* + natural enemies 8693.
Pinus radiata, food preferences/nutrition *Arhopalus ferus* 1922.
Pinus radiata, pest status, Acari 9590.
Pinus rigida, pest status, *Neodiprion lecontei* 5679.
Pinus rigida / *Quercus*, oviposition site selection, *Lymantria dispar* 5445.
Pinus strobus, pest status, *Neodiprion pinetum* 6336.
Pinus / *Strobus* susceptibility, *Rhyacionia frustrana* 1151.
Pinus sylvestris, pest attacks *Tomicus* 3045.
Pinus sylvestris, pest status, *Diprion pini* 8760.
Pinus taeda, infestations, *Dendroctonus frontalis* 7077.
Pinus taeda, root rot, *Dendroctonus frontalis* association *Heterobasidium annosum* 1935.
Pinus taeda seeds, pest status, *Leptoglossus corculis* / *Tetyra bipunctata* 7874.
Piper guineense, toxicity extracts, stored products Insecta 2668.
Piper nigrum plant extracts, toxicity, *Callosobruchus maculatus* 6861.
Pisum, pest resistance, *Sitona* 7896.
Pisum, pest resistance, *Sitona lineatus* 2858.
Pisum arvense, pollination, Hymenoptera 5550.
Pisum sativum, pest resistance, *Sitona lineatus* 8625.
Plagiochila plant chemicals, antifeedants, *Spodoptera exempta* 4446.
plant chemicals, role, chemoreception/food selection, Acrididae 9438.
plant extracts, effects on toxicity formaldehyde, *Bombyx mori* 8464.
plant extracts, electroantennograms *Psila rosae* 929.
plant extracts, sex pheromone analogues, *Periplaneta americana* 9232.
plant extracts, toxicity/effects on oviposition, *Aedes aegypti* 7613.
plant extracts effects on evolution taste receptors, Insecta 972.
plant extracts effects on feeding, *Yponomeuta* 2856.
plant extracts sequestering, defence, *Euphydryas phaeton* 2823.
plant extracts toxicity *Dysdercus cingulatus* / *Pericallia ricini* / *Spodoptera litura* 4696.
plant mines, fossils, Upper Palaeocene 4147.
plant mines, Tenthredinidae 5989.
plant viruses, vectors, *Chaetosiphon jacobi* / *Hyperomyzus lactucae* 9481.
Plantago lanceolata, new records host plants, *Euphydryas phaeton* 469.
planting density effects on oviposition site selection, *Delia antiqua* 1032.
Platanthera chlorantha, pollination, Plusiinae 4701.
Platanthera cristata host plants, first record, *Argyrotaenia velutinana* 7239.
Platanus, pest status *Plagiognathus albus* 3733.
pollination, Apidae 5710.
Potentilla, foraging behaviour, Insecta 6220.
Prunus amygdalus nuts, attractants, *Amyelois transitella* 4441.
Prunus persica, pollination, *Apis mellifera* 3779.
Prunus persica orchards, population studies Acari 5621.
Prunus serotina, pest status, Insecta 5685.
Pseudotsuga menziesii, *Choristoneura fumifera* damage, estimation, computer programs 2077.
Pseudotsuga menziesii, pest resistance, *Orgyia pseudosugata* 9478.
Psoralea corylifolia, plant extracts, juvenile hormones analogues, *Dysdercus koenigii* 4547.
Pteridium aquilinum, spatial distribution/species diversity Arthropoda communities 9548.
Pteridophyta, ecology Lepidoptera 462.
Pteridophyta, pest status *Tenuipalpus pacificus* 7087.
Pyrus, pest resistance, screening *Psylla pyricola* 5226.
Pyrus flowers, foraging behaviour, circadian rhythms, *Apis* India Ludhiana 2807.
Quercus, *Andricus legitimus* galls 2401.
Raphanus sativus, volatiles, attractants, oviposition, *Delia brassicae* 2895.
relationship species diversity Insecta 712.
Rhododendron plant extracts, phagostimulants, *Sciopithes obscurus* 415.
roadsides, pest outbreaks, British Isles 5616.
role, herbivores/natural enemies interaction, review 5607.
role speciation Hymenoptera 3807.
Rosa, host plants, new records, *Corythucha cydoniae* 9613.
Rosa, pest status *Anthonomus rubi*, Denmark 3029.
Rosa rugosa, host plants, new records, *Rhagoletis pomonella* 7762.
Rosaceae, pest status, Aphididae, India 9589.
Rosaceae host plants, effects on survival, *Malacosoma californicum* 5497.
Rubus idaeus, host plants *Celastrina argiolus* 4703.

Plants.(continued)

- Rubus idaeus* , pest resistance, *Aphis rubicola* 9475.
Rumex , host plants *Heteronyx obesus* 3875.
Rumex , seeds production, *Gastrophysa viridula* feeding effects on 1946.
Rumex acetosa , host plants, ecology/life cycles *Apion curtirostre* 1947.
Rumex obtusifolius , host plants, ecology/life cycles *Apion violaceum* 1948.
Saccharum , pest resistance, plants 9605.
Saccharum officinale , pests, Trinidad 5689.
Salix , galls, Cecidomyiidae 3342.
Santalum album , plant extracts, chemosterilants/growth regulators, Lepidoptera/Coleoptera 2728.
Sarracenia purpurea , oviposition site selection, *Wyeomyia smithii* 3835.
Sassafras albidum , life cycles, *Eugnamptus collaris* 7704.
Scaevola taccada , damage/pest status *Icerya seychellarum* 2886.
Scaevola taccada , pest status *Icerya seychellarum* 4704.
Sedum album , interaction, *Parnassius apollo* 3783.
seeds, mucilage, toxicity/control Culicidae larvae 2870.
Senecio , pollination, *Apis* /Lepidoptera 4702.
Senecio jacobaea , defoliation, effects on population dynamics, *Tyria jacobaeae* 6240.
Senecio jacobaea , role population dynamics *Tyria jacobaeae* 3793.
Senecio jacobaea host plants, effects on population stability, *Tyria jacobaeae* 7031.
Serapias vomeracea , pollination, Hymenoptera 7771.
Silene cucubalus , weed control, *Cassida* 5551.
Solanum , pest resistance, *Empoasca fabae* 454.
Solanum , pest status *Psyllioides plana* , India 2085.
Solanum berthaultii , pest resistance Aphididae/viruses 4681.
Solanum chacoense , pest resistance, *Leptinotarsa decemlineata* 2875.
Solanum defoliation, effects on yield, *Leptinotarsa decemlineata* 2880.
Solanum melongena , pest resistance, *Epilachna vigintioctopunctata* 474.
Solanum melongena , pest resistance, *Leucinodes orbonalis* 4687.
Solanum melongena , pest status/damage *Henosepilachna vigintioctopunctata* , India 3085.
Solanum melongena , plant chemicals, food selection *Epilachna vigintioctopunctata* 2871.
Solanum tuberosum , chemical control Aphididae 9607.
Solanum tuberosum , fauna 461.
Solanum tuberosum , pest status, mathematical models, *Leptinotarsa decemlineata* 5697.
Solanum tuberosum , pest status, *Myzus persicae* 5675, 5701.
Solanum tuberosum , transmission potato leaf roll virus, *Myzus persicae* 6260.
Solidago , *Eurosta* galls 376.
Solidago , feeding/pest status, *Trirhabda* 9477.
Solidago , life cycles/species composition Chrysomelidae 9466.
Sonchus arvensis , *Tephritis dilacerata* galls 3795.
Sophora japonica , pest status, *Odontota dorsalis* 9484.
Sorbus aucuparia , host plants *Gastropacha quercifolia* , Finland 396.
Sorghum , pest resistance, *Atherigona soccata* 7091.
Sorghum , pest resistance, *Diatraea saccharalis* 1138.
Sorghum , pest resistance, Insecta 2890.
Sorghum , pest resistance, *Schizaphis graminum* 6350.
Sorghum bicolor , antifeedants, Insecta 2885.
Sorghum bicolor , Muscidae pests, India Andra Pradesh 3095.
Sorghum bicolor , oviposition site selection, *Spodoptera frugiperda* 9487.
Sorghum bicolor , pest resistance, *Peregrinus maidis* 2867.
Sorghum bicolor , pest resistance, *Schizaphis graminum* 7897.
Sorghum bicolor , planting date, effects on infestations *Contarinia sorghicola* /*Diatraea saccharalis* , Brazil 1241.
Sorghum bicolor stored products, pest resistance, *Sitophilus oryzae* 2883.
Sorghum bicolor /*Zea mays* , pest resistance, *Contarinia sorghicola* /*Spodoptera frugiperda* 3026.
Sorghum development, effects on emergence, *Contarinia sorghicola* 1980.
Sorghum vulgare , pest resistance, Lepidoptera/Heteroptera 2878.
Stenotaphrum secundatum , pest resistance, *Blissus insularis* 7103.
Streptanthus breweri , host plants defence mechanisms, eggs mimicry, *Pieris sisymbrii* 7761.
Stylosanthes scabra , pest status *Platyomopsis pedicornis* 6333.
Theobroma cacao , community composition, Insecta 7823.
Theobroma cacao , pollination, mathematical models, Insecta 2903.
Theobroma cacao , pollination/pests, insecticides effects on 8749.
Theobroma cacao seeds, feeding, *Historis odius* 416.
Thevetia thevetiodes seeds, toxicity plant extracts, *Ostrinia nubilalis* 2891.
Tilia , pest resistance, *Popillia japonica* 2861.
Tilia americana , association Insecta, Canada Ontario 4692.
Tradescantia /*Zebrina* , potyvirus, vectors, *Myzus persicae* /*Rhopalosiphum padi* 9469.
transmission bean yellow mosaic virus, *Acyrtosiphon pisum* 4694.
trees, association/coevolution Insecta 1937.
Trichosanthes anguina , pest status *Leptoglossus australis* , India 1883.
Trifolium , damage, *Eriophyes medicaginis* 3967.
Trifolium pratense , Pollination, *Osmia coerulescens* 8623.
Trifolium repens , pests resistance, *Costelytra zealandica* 3809.
Trifolium repens , roadsides, foraging behaviour *Apis mellifera* 1969.
Trifolium repens pollination, *Apis mellifera* 4683.
Triticum , life cycles/pest status *Ostrinia nubilalis* 7692.
Triticum , pest resistance, *Eriophyes tulipae* /wheat streak mosaic virus 1943.
Triticum , pest resistance, *Mythimna separata* 455.
Triticum , pest resistance, *Petrobia latens* 9635.
Triticum , pest resistance, *Schizaphis graminum* 7889.
Triticum , pest status/chemical control *Sitobion avenae* 545.
Triticum aestivum , nitrogen fertilizers effects on reproduction, *Sitobion avenae* 4690.
Triticum aestivum , pest resistance, *Macrosiphum miscanthi* 6258.
Triticum aestivum , pest resistance, *Mayetiola destructor* 7892.
Triticum aestivum , pest resistance/pest status, *Mayetiola destructor* 4841.
Triticum aestivum , pest status, Aphididae 6353.
Triticum aestivum crops, pest status, *Macrosiphum avenae* /*Rhopalosiphum padi* 5682.
Triticum damage, estimation, *Melanoplus sanguinipes* 883.
Triticum /*Hordeum* , pest resistance, Aphididae 2896.

Plants (continued)

- Triticum tauschii*, pest resistance, *Mayetiola destructor* 7079.
- Triticum tauschii*, pest resistance, *Schizaphis graminum* 2673.
- Triticum* yield, *Agrotis orthogonia* control effects on 564.
- Tsuga canadensis*, foliage nitrogen effects on population dynamics, *Fiorinia externa* 1987.
- Ulmus parvifolia*, herbivory, *Pyrrhalta luteola* 5556.
- Umbelliferae, flowers colour, pollination, Diptera 3806.
- Umbelliferae, furanocoumarins, plant chemicals, toxicity, *Papilio polyxenes* 8483.
- Valeriana edulis* / *Pedicularis lanceolata*, new records host plants, *Euphydryas phaeton* 3774.
- vegetables, Typhlocybiniae infestations, Pakistan 9462.
- vegetation, Insecta fauna, USSR Turkmenistan 1968.
- Veitchia merrillii*, decline, vectors, *Myndus crudus* 9495.
- Veitchia merrillii*, mycoplasma-like organisms transmission *Myndus crudus* 3090.
- Vicia faba*, methodology, feeding *Epilachna varivestis* 2452.
- Vicia faba* / *Tropaeolum majus*, host plants, *Aphis* 1960.
- Vigna unguiculata*, host preferences/oviposition site selection, *iCydia ptychora* 3798.
- Vigna unguiculata*, pest resistance, *Empoasca dolichi* 6356.
- Vigna unguiculata*, phenology, biology *Cydia ptychora* 9376.
- Vitis labrusca*, pest status, *Amathes c-nigrum* / *Euxoa ochrogaster* 9471.
- Vitis vinifera*, pests Insecta 4840.
- Vitis vinifera*, transmission Pierce's disease, *Graphocephala atropunctata* 9636.
- Zea*, coevolution *Dalbulus* 3784.
- Zea mays*, artificial infestations, *Spodoptera frugiperda* 3039.
- Zea mays*, crop production (no-tillage), effects on population levels, Acari/Collembola 8681.
- Zea mays*, crop production (no-tillage) effects on population levels pests 3077.
- Zea mays*, damage/pest status Diptera larvae 551.
- Zea mays*, damage/pest status *Microtermes*, Nigeria 3102.
- Zea mays*, maize dwarf mosaic virus, control/vectors, Aphididae 9473.
- Zea mays*, pest resistance, *Chilo partellus* 2888, 7756, 7773.
- Zea mays*, pest resistance, *Ostrinia nubilalis* 3802, 6248.
- Zea mays*, pest resistance, *Sitophilus zeamais* 7760.
- Zea mays*, pest status, *Diabrotica longicornis* 6360.
- Zea mays*, pests management 5706.
- Zea mays*, planting date, effects on *Chilo partellus* damage 1259.
- Zea mays*, planting date effects on *Chilo partellus* damage 2898.
- Zea mays*, viruses, vectors, *Peregrinus maidis* 9493.
- Zea mays*, volatiles, attractants, *Heliothis zea* 1706.
- Zea mays* mycoplasmas, transmission Cicadellidae 3975.
- Zea mays* pest resistance, *Ostrinia nubilalis* 8640.
- Plastosciara**, new species, USSR 6620, 9032.
- Plataspidae**, secretion 6837.
- Plathypena scabra**, development, temperature effects 1039.
- population dynamics, host plants effects on 5674.
- Platinum**, mutagenesis *Drosophila melanogaster* 5743.
- Platybaetis**, new species, Malaysia 5899.
- Platycheilus**, new species/new records, Japan 2374.
- taxonomy 7320.
- Platychora**, new species, Philippines 5835.
- Platycleis albopunctata**, acoustic responses *Metrioptera roeselii*, role spatial distribution 4602.
- auditory communication 9373.
- sound production, variation 6179.
- Platycleis denticulata**, geographical distribution/biology, Sweden 7212.
- Platycnemididae**, chromosomes/phylogeny 7955.
- taxonomy 7398.
- Platydemoides**, new genus, Sri Lanka 1463.
- Platydesmidae**, new species, USSR 158.
- Platygester**, new species, Japan 2410.
- Platygastridae**, new species, Japan 2410.
- new species, Nearctic Region 7226.
- taxonomy 7362.
- Platyhelminthes**, *Dugesia dorotocephala*, biological control Chironomidae/Culicidae 4780.
- Dugesia dorotocephala*, predation *Culex pipiens* 2018.
- Platyneuromus**, taxonomy 8287.
- Platyomopsis pedicornis**, pest status, *Stylosanthes scabra* 6333.
- Platyomus**, taxonomy 7276.
- Platyparea poeciloptera**, pest status, *Asparagus* 7890.
- Platypeza**, new species, USSR 2365, 5889.
- Platypiezidae**, new species, Israel 2366.
- new species, USSR 2365, 5889.
- Platyphytopius sabinianae**, feeding/pest status, *Pinus radiata* 9590.
- Platyleura kaempferi**, damage *Eriopotrya japonica* 450.
- larvae, spatial distribution, soil 3113.
- Platypodidae**, association fungi 1905.
- new species, Australia 2333.
- new species, Papua New Guinea 4181.
- new species/check lists, Australia Queensland 4182.
- Platypria**, revision, Australia Region/synonymy 46.
- Platyptilia**, water balance, environmental effects 2614.
- Platyptilia ignifera**, immature stages 192.
- Platyptilia isodactylus**, first record, British Isles Staffordshire 6488.
- Platypus**, new species, Australia 4182.
- pathology, *Bispiculum* infection 1739.
- taxonomy 4181.
- Platyrhacidae**, new species, Guadeloupe 871.

- Platyscapa**,
new species, Ethiopian Region/Oriental Region 6651.
- Platysma minus**,
new subspecies, Turkey 2309.
- Plautia**,
taxonomy 5139.
- Plautia stali**,
marking, methodology 4317.
- Plebejus shasta**,
new subspecies, USA 123.
- Plecia nearctica**,
swarming behaviour/mating behaviour 362.
- Plecoptera**,
check lists, Yugoslavia 148.
check lists/ecology, streams, Italy Appenino 2239.
community composition, streams, agriculture land use effects
on 2113.
endemic Tasmania 2256.
fauna, lakes, Canada 7117.
geographical distribution, USA Delaware 1409.
life cycles 2118.
new records/check lists, USA West virginia 1410.
nontarget organisms, pollution effects carbaryl, streams,
USA Maine 1281.
phenology/community composition, Nure R., Italy 3123.
predation 5724.
toxicity insecticides 8484.
zoogeography 5777.
- Plectrocnemia conspersa**,
foraging behaviour 4624.
larvae, behaviour 372.
- Pleididae**,
new species, Philippines 7327.
- Plenoculus**,
nesting behaviour 4642.
- Plesioclythia**,
new species, USSR 5889.
- Plesionotoxus**,
new genus 2300.
- Pleurophorus opacus**,
first record, Sicily 4109.
- Pleurotyna ruralis**,
water balance, environmental effects 2614.
- Plicothrips**,
new genus 4302.
- Plinthus**,
taxonomy/zoogeography 8137.
- Plodia interpunctella**,
biological control 1222, 3034, 3074.
chemosterilants 5425.
chitin biosynthesis inhibition, insecticides 922.
diets effects on behaviour/development 7089.
granulosis virus 5357.
growth regulators effects on development 7608.
maginal discs, chitin biosynthesis 1043.
mandibular gland secretions 987.
midgut histopathology, *Bacillus thuringiensis* 7549.
oocytes degeneration 4559.
orientation, sex pheromone 4597.
parasitism 1926.
pesticide resistance, synergism 1780.
pheromone gland 274.
radiation (γ) sterilization, heritability 8536.
radiosensitivity 6131.
repellents, diethyltoluamide 3551.
reproductive systems 7583.
sex pheromones, electroantennograms 2603.
sterilization, radiation (γ) 4550.
susceptibility chitin inhibitors 1049.
toxicity *Bacillus thuringiensis* 1753.
toxicity methyl bromide 1768.
- Plusia**,
natural enemies, Brazil 2002.
- Plusia acuta**,
biology/pest status 6954.
- Plutella maculipennis**,
biology/ecology/pest control 3042.
- Plutella xylostella**,
biological control/chemical control 9622.
chemical control 3106, 3969.
development, juvenile hormones effects on 9325.
life cycles, temperature effects 8596.
parasitism 1116, 7740.
pathology fungi 7560.
pest resistance *Brassica oleracea* 7075.
pesticide resistance 570.
phenology 2786.
sex pheromone, traps baits 970.
- Plutellidae**,
life cycles 8596.
pheromones 970.
review/check lists, Iberian Peninsula 691, 1379.
- Prigallo maculipes**,
parasitism *Phyllonorycter* 9517.
- Poanes viator**,
new records, USA Kentucky 2252.
- Pocadius**,
taxonomy 5835.
- Podacaridae**,
cold acclimation 3559.
- Podapolipidae**,
parasitism 2838.
reproduction 2694.
- Podapolipoides peruvensis**,
morphology/parasitism Acrididae 2838.
- Podisma**,
chromosomes 4058.
- Podisma pedestris**,
intraspecific hybridization, fitness/chromosomes 1336.
- Podisus**,
species packing 5615.
- Podisus maculiventris**,
natural enemies 1906.
parasitism 2717.
predation effects on spatial distribution *Galleria mellonella*,
mathematical models 1185.
prey, check lists 2826.
- Podocinidae**,
new species, Hungary 2284.
- Podonema impressum**,
taxonomy/first record, Argentina 5099.
- Poecilimon intermedius**,
first record, Czechoslovakia 2238.
- Poecilmitis**,
new species, South Africa 122, 7378.
- Poecillocapsus lineatus**,
life cycles/host plants 9395.
- Poecillocerus pictus**,
accessory gland proteins 7628.
assimilation/growth efficiency 1923.
brain, neurosecretion 2520.
corpora allata, histology 2634.
genitalia 8499.

- mating behaviour 4589.
 ovary, reabsorption, histochemistry/ultrastructure 1839.
- Poecilochirus**,
 new species, British Isles 7251.
- Poecilocloeus**,
 new species, Neotropical Region 1529.
- Poemeniini**,
 revision, Oriental Region 5172.
- Pogonomyrmex**,
 new species, USA 3376.
- Pogonomyrmex californicus**,
 mutualism *Datura discolor*, seeds dispersal 3796.
- Pogonomyrmex occidentalis**,
 estimation population density, sampling 481.
- Pogonomyrmex owyheeii**,
 abundance/sampling 1998.
- Pokabius bilabiatus**,
 taxonomy 9111.
- Polana**,
 new species, Bolivia/Panama/Peru/USA 7343.
- Poland**,
 chemical control *Leptinotarsa decemlineata*, review 7886.
 Diptera fauna *Brassica napus* 8032.
 fauna *Apis mellifera* nests 2937.
 first record *Lacon conspersus* 1366.
 first record *Miarus abnormis* 669.
 first record *Otiorynchus lugdunensis* 1367.
 first record *Rhipicephalus sanguineus* 2210.
 first record *Ribautodelphax pallens* 2225.
 first record *Speolepta leptogaster* 2224.
 geographical distribution *Bombus* 8041.
 new records Acari 2937.
 new records *Apion oblongum* 2220.
 new records/community composition Chironomidae 7916.
 new records *Curculio elephas* 3207.
 new records Hydracarina 2211.
 new records Hymenoptera/Lepidoptera/Diptera 666.
 new records Lepidoptera 698.
 new records Macrochelidae 2212.
 new records Trichoptera 6702.
 new species Rhodacaridae 5811.
 new species Tydeidae 6555.
 occurrence/control *Pegomya hyoscyami* 9536.
 revision/new species *Acerentomon* 3409.
 rivers, Simuliidae fauna 4853.
- Poland Beskid**,
 Siphonaptera parasites mammals 446.
- Poland Bieszczady Mts.**,
 Dytiscidae fauna 3204.
- Poland Kulin Nature Reserve**,
 check lists Araneae/Opiliones/Diplopoda/Isopoda 9723.
- Poland Lublin**,
 check lists Fulgoroidea 2225.
- Poland Pieniny Mts.**,
 Curculionidae fauna 3205.
 ecology/zoogeography Elateridae 3206.
- Poland Tatra Mts.**,
 first record *Chaetopsylla matina* 2240.
- Poland Warsaw**,
 occurrence/biology *Trechus austriacus* 2219.
- Polemochartus liparae**,
 parasitism *Hylaea pectoralis* 3215.
- Polemograptis**,
 taxonomy 8280.
- Polia**,
 new species, Finland Lapland 5951.
- Polistes nigrolimbatus**,
 immature stages 1570.
- Polistes**,
 biological control Lepidoptera 1251.
 cannibalism 9400.
 nesting behaviour 4849.
 population genetics, kin selection/social organization 8876.
 predation Lepidoptera larvae, wounds, attractants 2915.
 sex ratios, evolution 7177.
 social organization, photoreceptors effects on 9642.
- Polistes annularis**,
 parasitism 7746.
- Polistes chinensis**,
 foraging behaviour/home range 9378.
 nesting behaviour 4850.
 population dynamics 6289.
- Polistes exclamans**,
 nests 5713.
- Polistes foederatus**,
 social interactions, nests biology 3740.
- Polistes fuscatus**,
 nesting behaviour, competition, *Trogodytes aedon* 3824.
 overwintering 3742.
- Polistes gallicus**,
 corpora allata ultrastructure 6838.
 nest building 5522, 9648.
 size/anatomy seasonal variations 204.
 social hierarchy, effects on endocrinology 9248.
 tegumental gland, ultrastructure/secretion 2625.
- Polistes hebraeus**,
 venom gland 8442.
- Polistes metricus**,
 colonies production, conspecifics/predation effects on 2103.
 communication, nests 7677.
 foraging behaviour, social organization 7906.
 morphometry, ovary/size, seasonal variations 205.
 nesting behaviour 7703.
- Polistes versicolor**,
 morphology, aberrations 9137.
- Polites**,
 taxonomy 2429.
- Polleniopsis jamesi**,
 taxonomy 4223.
- Pollination**,
 Dactylorhiza sambucina 3799.
 foraging behaviour *Apis mellifera*, *Malus domestica* 451.
 insecticides effects on, Hymenoptera 1231.
Linum perenne, Diptera/Hymenoptera 1958.
Listera cordata /*Scoliopus bigelovii*, Sciaridae/
 Mycetophilidae 452.
- Theobroma cacao*, mathematical models, Insecta 2903.
- Trifolium hybridum*, *Apis mellifera* 449.
- Pollinia pollini**,
 biology/ecology 375.
- Pollution**,
 air, exposure equipment, Insecta 163.
 bioaccumulation mercury, *Lucilia*, Yugoslavia Idrija 1160.
Lasius niger pollution indicators, Poland Warsaw 2914.
 leather industrial pollution, toxicity, *Chironomus tentans*
 1006.
 nontarget organisms, Coleoptera/Ephemeroptera,
 insecticides effects on 3053.
 pollution effects, Chironomidae fauna, Lambro R., Italy
 2117.

Pollution,(continued)

- pollution effects, development/phenology, *Rhithrogena semicolorata* /*Ephemerella ignita* 3998.
- pollution effects carbaryl, nontarget organisms, streams, USA Maine 1281.
- pollution effects fluorides, *Apis mellifera* populations 504.
- pollution effects Insecta fauna, Chilua L., India Gorakhpur 1283.
- pollution effects pesticides, *Chironomus tentans* larvae 2687.
- recreation sites oil pollution, indicator organisms, *Dixa puberula* 1277.
- sulphur dioxide air pollution, pollution indicators, *Loensia fasciata* 2954.
- sulphur dioxide pollution effects *Lasioglossum zephyrum* flight activity 1973.
- Polys,**
new species, Comoro Is. 5816.
- Polyadenum,**
new genus, China, People's Rep. 5216.
- Polyamines,**
spermine, spermatophores, *Ornithodoros savignyi* 3536.
- Polyaspis,**
new records, Czechoslovakia 5062.
- Polybetes pythagoricus,**
development/longevity 5390.
- Polybia,**
dispersal, swarming behaviour 8782.
- Polybia sericea,**
swarming behaviour, chemical communication 6176.
- Polycentropidae,**
behaviour 4624.
biology 1534.
life cycles 1897.
new records, USA Ohio 5789.
new species, Australia 6706.
new species, Morocco 3411.
new species/new records, Papua New Guinea 154.
- Polycentropodidae,**
behaviour 372.
new records, Denmark 3240.
- Polycentropus interruptus,**
first record, USA Ohio 5789.
- Polydesmus angustus,**
carbohydrates metabolism 8426.
pyloric gland ultrastructure 1720.
- Polydrusus,**
taxonomy 9008.
- Polygenus bohlsi,**
teratology 5250.
- Polygonia egea,**
new records, Malta 3229.
- Polygramma,**
taxonomy 777.
- Polymerus unifasciatus,**
geographical distribution, British Isles 6480.
- Polymorphanisini,**
revision 4304.
- Polymorphanisus,**
revision 4304.
- Polymorphism,**
alar dimorphism, *Avena byzantina* /barley yellow dwarf virus effects on, *Rhopalosiphum padi* /*Sitobion avenae* 2881.
alar dimorphism, genes, *Orgyia thyellina* 3164.
alar dimorphism *Laodelphax striatellus* 3167.
coloration, *Bombus melanopygus* 1337.
coloration, *Danaus chrysippus*, population genetics 1343.
coloration, effects on viability, *Biston betularia* 1351.
coloration *Coelophora quadrivittata* 1347.
colour, altitude correlation, *Philaenus spumarius* 639.
colour, population genetics, *Philaenus spumarius* 3169.
enzyme polymorphism, ecological genetics, Carabidae 1349.
eye colour, habitat selection, population genetics, *Drosophila simulans* 4088.
juvenile hormones role 1841.
larvae, *Camponotus aethiops* 1576.
melanism, *Simyra albovenosa* 1348.
parthenogenesis, population genetics, *Bromius obscurus* /*Otiorynchus salicis* 2183.
pesticide resistance/wings, *Nilaparvata lugens* /*Sogatella furcifera* 558.
pigmentation, *Porcellio dilatatus* 645.
sepia gene, maintenance, *Drosophila melanogaster* 4090.
sex ratios, chromosomes, *Drosophila pseudoobscura* 643.
wings, *Longitarsus* 3180.
yolk polypeptides, *Drosophila simulans* 2130.
- Polyortha,**
taxonomy 7390.
- Polypeditum,**
population levels, lakes, Japan 1991.
- Polypeditum nubifer,**
taxonomy/morphology 3347.
- Polypeditum nymphaeorum,**
population levels, *Nelumbo lutea* decomposition effects on 4001.
- Polypeditum vanderplanki,**
drought tolerance/survival, pools 4864.
- Polyphaga indica,**
pathology, protozoa 1752.
- Polyphagidae,**
adaptations 9246.
protozoa infection 1752.
- Polyphagotarsonemus latus,**
chemical control 2064.
- Polyplax reclinata,**
new records hosts, *Crocidura leucodon*, Poland 2851.
- Polyplax spinulosa,**
parasitism rats 2846.
- Polyportivora,**
new species, Israel 2366.
- Polyrhachis dives,**
biological control *Dendrolimus punctatus* 6374.
- Polyrhaphis spinipennis,**
immature stages 906.
larvae, feeding behaviour 398.
morphology 913.
- Polytene,**
chromosomes, DNA content, sex differences, *Prodiamesa olivacea* 8830.
- Polytocus costatus,**
immature stages 896.
- Polyura pyrrhus,**
feeding behaviour, *Eucalyptus* sap 6964.
- Polyxenus lagurus,**
tentorium gland, secretion 2632.
- Polyzoniidae,**
new records, Korea, Dem. People's Rep. 1536.
- Polyzonium bonum,**
first record, Korea, Dem. People's Rep. 1536.
- Polyzonus,**
revision/new species, Palaearctic Region/Oriental Region 2312.
- Pompiliidae,**
behaviour 4634.
new species, Australia 8252.

Pompilidae,(continued)

- new species, Panama 4273.
 new species, Sri Lanka 839.
 parasitism 443, 4668.
 taxonomy 5178, 5940.
- Pompilus**,
 taxonomy 839, 5940.
- Ponana**,
 new species, Mexico/USA 6642.
 new species, Neotropical Region 8235.
 new species, Peru 4253.
- Ponera coarctata**,
 glands, abdomen 1727.
- Ponerini**,
 glands, abdomen 1727.
- Pontania crassipes**,
 new records, British Isles Scotland 6483.
- Pontia callidice**,
 new subspecies, Spain 2420.
- Pontomyia**,
 emergence rhythms 5508.
- Popilius disjunctus**,
 phototaxis, proteins biosynthesis role 1642.
- Popillia japonica**,
 attractants 9234.
 hatching/survival, soil pH effects on 6181.
 pest resistance *Tilia* 2861.
 pheromone trap 5233.
 toxicity thiotepa/triethylenephosphoramidate 337.
- Population establishment**,
Musca domestica, species composition/abundance 1119.
- Population genetics**,
 generation duration, *Drosophila melanogaster* 8872.
 inheritance, fecundity, *Tribolium castaneum* 4973.
 insecticides resistance, *Drosophila melanogaster* 8870.
 kin selection/social organization, *Polistes* 8876.
 parthenogenesis, Curculionidae 5756.
 sex ratios, groups selection, mathematical models 8879.
- Populations**,
 abundance, environmental factors, *Paravespula germanica* 8667.
 abundance, *Fragaria* crop fields, Heteroptera pests, Sweden 1956.
 abundance, geographical variations/seasonal variations, *Myzus persicae* 5600.
 abundance, host plants nutrition effects on, *Epitrix hirtipennis* / *Manduca sexta* 1133.
 abundance, lakes benthos, Chironomidae 9657.
 abundance, *Pogonomyrmex owyhee* 1998.
 abundance, *Quercus quercus*, British Isles Surrey 1992.
 abundance, seasonal variations, Culicidae, Nigeria 9544.
 abundance, seasonal variations, *Leptinus americanus* 9414.
 abundance, seasonal variations, *Siphonaptera* / *Anoplura*, parasitism *Sciurus carolinensis* 7751.
 abundance, seasonal variations/geographical variations, *Ixodes dammini* 8671.
 abundance *Archips* / *Choristoneura rosaceana* / *Pandemis limitata*, Canada British Columbia 977.
 abundance/distribution, annual variations, *Erebica* / *Oeneis*, Fenno-Scandia 8920.
 abundance/distribution, human impact, Ixodidae 8664.
 abundance/distribution, *Icerya seychellarum*, Aldabra Atoll 485.
 abundance/distribution, *Musca autumnalis*, USA Oklahoma 1168.
 abundance/distribution, *Phyllonorycter*, USA 5592.
 abundance/distribution, role host plants, *Scaphytopius acutus* 1147.
 abundance/distribution, seasonal variations, Aphididae 8676.
 abundance/distribution, vineyards, *Phalaenoides glycine* 5625.
 abundance/distribution *Aedes*, Philippines 503.
 abundance/distribution *Dermacentor variabilis* / *Ixodes dammini* 442.
 abundance/distribution invertebrates, streams, Sonoran Desert 2112.
 abundance/migration, seasonal variations, *Cnaphalocrocis medinalis* 7783.
 abundance/pest status, *Malacosoma neustria* 7095.
 abundance/pest status *Phlebotomus papatasi*, USSR Feodosia 2037.
 abundance/population dynamics *Corticeus* 4756.
 abundance/zoogeography, *Halobates*, Pacific Ocean 9718.
 Acari, house dust, India Lucknow 5641.
 Acari, orchards, USA Maine 4754.
 activity patterns, diurnal variations, Arthropoda, forests 7800.
 activity patterns, mathematical models, *Scatophaga stercoraria* / Coleoptera, dung 2798.
Aedes, vertical distribution, forests, Czechoslovakia 512.
 age compositions, *Tanypteryx hageni* 6185.
 alpine environments, biomass/species composition/abundance Arthropoda, Austria Obergurgl 1171.
 Arachnida communities, forests, Scotland 3852.
 biting activity, *Phlebotomus argentipes* 5646.
 Carabidae, New Zealand Arthurs Pass National Park 9720.
 caves, *Limonius flavomarginatus*, USA Missouri 9750.
 chemical control effects on, *Glossina tachinoides* 6316.
 Chironomidae, colonization/community composition, Liptovska Mara Reservoir, Czechoslovakia 1274.
 clones coexistence/selection, parthenogenesis, *Drosophila mercatorum* 6455.
 coexistence/habitat utilization, *Pieris* 5588.
 coexistence/population dynamics, life cycles, review 6936.
 Coleoptera, coprophagous organisms, seasonal variations community composition 2963.
 Collembola, spatial distribution, soil, *Pinus* forests 490.
 community composition/population levels *Anopheles*, Tanzania 7840.
 compatibility, *Rhytidoponera metallica* workers 7837.
 competition *Prays oleae* larvae 6999.
 delayed mating effects on, *Ixodes trianguliceps* 1823.
 density, effects on predation, *Mogannia minuta* 7033.
 density effects on development, *Malacosoma disstria* 5990.
 development/fecundity, geographical variations, *Oulema melanopus* 5587.
 development/survival, host plants effects on, *Aleurocanthus woglumi* 7755.
 dispersal, *Chilo partellus* larvae 6111.
 dispersal, *Cryptococcus fagisuga* larvae 5575.
 dispersal, *Cyphon* 5593.
 dispersal, *Dacus oleae* 7780.
 dispersal, flight activity, seasonal variations, *Macrosiphum euphorbiae* 6263.
 dispersal, food plants effects on, *Lymantria dispar* larvae 7814.
 dispersal, habitat preferences, *Dacus cucurbitae* 7781.
 dispersal, *Hylobius abietis* 7779.
 dispersal, *Leuctra digitata* 7786.
 dispersal *Aedes sierrensis* 527.
 dispersal/longevity, *Glossina palpalis* 5578.
 dispersal/migration, *Chrysopa carnea* 6264.
 dispersal/population structure, *Dacus oleae*, Crete 6998.

Populations,(continued)

- dispersal/survival *Culex tarsalis* 1199.
dispersion, Aphididae, *Medicago sativa* crop fields 2947.
dispersion, *Glossina* 3833.
dispersion *Coenagrion resolutum* larvae 2005.
distribution, *Gossypium* effects on, *Amrasca devastans* 1977.
distribution sampling, *Coleophora laricella* 1263.
drift, Insecta, river 7915.
drift *Baetis flavistriga*, streams 5721.
ecological genetics, enzyme polymorphism, Carabidae 1349.
ecological genetics *Biston* 636.
ecological genetics *Pemphigus populitransversus* 2188.
ecology/control, *Cydia pomonella*, USSR Ukraine 8661.
emergence/ecology, Ephemeroptera, strams, Zaire 9656.
energy flow, Carabidae 3862.
Entomophthora, mortality factors, *Hypera postica* 8691.
Entomophthora phytonomi, mortality factors *Hypera postica* 9533.
enzyme polymorphism, *Chorthippus brunneus* 9702.
enzyme polymorphism, population genetics, *Anopheles* 7171.
Ephemeroptera, secondary production, mathematical models 2111.
estimation, methodology, *Cinara piniformosanus* 2457.
estimation population density, Formicidae, sampling 481.
estimation population levels, methodology, *Choristoneura fumiferana* 5232.
estimation population levels Siphonaptera infestations *Rhombomys opimus* 1125.
extinction, *Euphydryas editha*, USA California 7382.
fauna community composition/distribution, caves, Brazil 584.
fecundity, Araneae 3432.
fecundity, competition effects on, *Drosophila* 8673.
fecundity, host plants effects on, *Otiorynchus sulcatus* 9468.
fecundity, host plants effects on, *Tetranychus urticae* 6283.
fecundity, *Prosimulium mixtum* / *Simulium vittatum* 9574.
fecundity, variation, *Trichogramma maidis* 7834.
fecundity assessment, methodology, *Choristoneura fumiferana* 5227.
fecundity/longevity, host plants effects on, *Graphognathus peregrinus* 7759.
fecundity/longevity, starvation effects on, *Dysdercus cingulatus* 5596.
fecundity/weight relationship, mathematical models, *Myzus persicae* 5623.
fertilization *Cnaphalocrocis medinalis* 359.
fitness, competition, *Dendroctonus rufipennis* 9507.
food habits/community structure, semiarid environments, Formicidae 8780.
gonotrophic cycles/survival, *Simulium ochraceum* 7027.
grasslands, *Armadillidium vulgare* 5620.
habitat preferences/species diversity Noctuidae, alpine environments, USSR Altai 1979.
hatching, environmental factors, *Tipula simplex* 5414.
hatching/survival, soil pH effects on, *Popillia japonica* / *Rhizotrogus majalis* 6181.
Ilyobomitra lasiophthalma, parous state, USA Texas 346.
Ilyobomitra montana 1881.
insecta association *Choristoneura* larvae 6287.
insecticides effects on, Hymenoptera 1231.
isolation, variation, evolution *Euphydryas editha* 1354.
length-weight relationships/biomass, Insecta, aquatic environments 2495.
life tables, *Synanthedon tipuliformis* 7024.
life tables/energy flow *Onychiurus*, soil 4755.
life tables/population growth, *Heliothis armigera* 3731.
longevity, *Drosophila* 2940.
longevity, isolation effects on, *Tribolium* 7025.
mating/swarming behaviour *Hypoderma*, environmental effects 3024.
migration, *Hypera* / *Sitona hispidula* 6262.
mixed, population growth, *Sitophilus zeamais* + *Sitotroga cerealella* 493.
monitoring, orchards, *Cydia molesta*, Australia 5693.
mortality factors, *Numicia viridis* eggs 4733.
mortality factors, overwintering pupae *Delia brassicae* 5614.
mortality factors, *Phalaenoides glycine* 8666.
niche separation/population dynamics *Lepidostoma*, forests streams 4858.
nitrogen/energy budget *Macrosiphum liriiodendri* 4734.
nutritional status, *Triatoma infestans* 9535.
Orgyia pseudotsugata population dynamics, computer programs 1169.
Pegomyia hyoscyami, Poland 9536.
pest outbreaks *Zeiraphera diniana*, *Larix decidua* 6366.
pest status Aphididae, Graminae crop fields 5665.
pests, population dynamics/biogeography theories 1219.
phenology/community composition Carabidae, Poland Tatra National Park 2918.
phenology/community composition Oribatei, alpine environments, Austria Obergurgl 3841.
pheromone traps, population studies *Cydia pomonella* 6305.
pollution effects DDT, soil, Arthropoda 7914.
polymorphism, geographical variations, *Pemphigus populitransversus* 9706.
population changes, *Dolycoris baccarum* 8635.
population changes, *Eucalyptus blakelyi* effects on, *Glycaspis* 1950.
population decline, *Parnassius glacialis*, Japan 9521.
population density, *Anopheles albimanus*, assessment 1562.
population density, effects on competition, *Mecynogea lemniscata* / *Metopeira labyrinthica* 7021.
population density, effects on development/survival, *Dacus oleae* 5417.
population density, estimation, *Gerris* 6271.
population density, inbreeding, *Tribolium castaneum* 4966.
population density, longevity, *Musca domestica* 9328.
population density, *Nicotiana* stored products effects on, *Lasioderma serricornis* 5568.
population density, threshold pest status, *Diacrisia obliqua* 7881.
population density *Anopheles maculipennis*, USSR Solnechnogorsk 4714.
population density/biomass, crop fields/grasslands soil, Insecta 9655.
population density *Cavelerius saccharivorus*, dispersal/reproduction 1167.
population density/community composition *Glossina*, Uganda Lugala 499.
population density Culicidae, Venezuela Caracas 3901.
population density/dispersal *Grapholitha molesta*, orchards, Hungary 1155.
population density effects on moulting, *Ornithodoros* 4740.
population density effects on reproduction, interspecific interactions, *Drosophila* 4741.
population density/migration effects on sex ratios, *Colias lesbia* 641.
population density/predation, *Culex*, ponds 8791.
population density threshold, chemical control *Oulema oryzae* 7904.
population dynamics, Acrididae, Upper Volta 483.
population dynamics, *Amathes c-nigrum* / *Scottia* 4753.
population dynamics, *Amblyseius rubini* / *Tydeus californicus* 7777.
population dynamics, *Ceratophyllus laevis* 8651.

Populations,(continued)

- population dynamics, chromosome aberrations effects on, *Tetranychus urticae* 8526.
- population dynamics, *Coleomegilla maculata* /*Hippodamia tredecimpunctata* 6293.
- population dynamics, crowding effects on, *Delia antiqua* 9522.
- population dynamics, defoliation *Senecio jacobaeae* effects on, *Tyria jacobaeae* 6240.
- population dynamics, *Dendroctonus frontalis* 7004.
- population dynamics, *Drosophila pseudoobscura* 7037.
- population dynamics, *Earias insulana* /*Heliothis armigera* 7806.
- population dynamics, environmental factors, mathematical models, *Tribolium castaneum* 5605.
- population dynamics, environmental factors, *Saissetia oleae* 5631.
- population dynamics, environmental factors, *Papilio polyxenes* 6277.
- population dynamics, environmental factors, Lygaeidae 7018.
- population dynamics, environmental factors, *Rhipicephalus appendiculatus* 7827.
- population dynamics, geographical variations, *Culex tritaeniorhynchus* 7812.
- population dynamics, *Gryllus assimilis* 7022.
- population dynamics, host-parasite interactions, evolution, *Musca domestica* /*Nasonia vitripennis* 6281.
- population dynamics, host-parasite interactions, mathematical models 8660.
- population dynamics, host plants effects on, *Fiorinia externa* /*Tsugaspidiotus tsugae* 5590.
- population dynamics, host plants effects on, Homoptera 5609.
- population dynamics, host plants effects on, *Plathypena scabra* 5674.
- population dynamics, host plants effects on, *Dysdercus bimaculatus* 7816.
- population dynamics, *Hylurgopinus rufipes*, Canada Ontario 9546.
- population dynamics, Hymenoptera, Jamaica 7794.
- population dynamics, *Leucoma wiltshirei* 7832.
- population dynamics, mathematical models, *Lucilia cupripina* 3865.
- population dynamics, mathematical models, *Metaseiulus occidentalis* /*Tetranychus urticae* 4831.
- population dynamics, mathematical models, *Lymantria dispar* 7015.
- population dynamics, mathematical models, *Unaspis yanonensis* 8675.
- population dynamics, mathematical models, *Dendroctonus frontalis* 9499.
- population dynamics, *Orgyia pseudotsugata* 9534.
- population dynamics, ozone effects on, *Tribolium* 9540.
- population dynamics, *Perileucoptera coffeella* 7038.
- population dynamics, pests Acari, stored products, Taiwan 8737.
- population dynamics, phenology, *Orius insidiosus* 8687.
- population dynamics, *Polistes chinensis* 6289.
- population dynamics, pollution effects, Aphididae 8748.
- population dynamics, predation, mathematical models 9528.
- population dynamics, prey density effects on, *Chiracanthium mildei* 7810.
- population dynamics, rainfall/temperature effects, Aphididae 6300.
- population dynamics, role *Entomophthora*, Aphididae 5598.
- population dynamics, salinity effects, *Anopheles albanus* 9329.
- population dynamics, *Sirex noctilio* 5705.
- population dynamics, *Sitophilus zeamais* /*Sitotroga cerealella* 7010.
- population dynamics, systems ecology, *Epiphyas postvittana* 8674.
- population dynamics, temperature effects, *Panonychus ulmi* 7785.
- population dynamics, *Trachelipus rathkei* 7006.
- population dynamics/activity patterns, *Carabus hortensis* 7809.
- population dynamics *Aethus indicus* 4737.
- population dynamics *Anopheles* 1203.
- population dynamics *Blepharidopterus angulatus* 4742.
- population dynamics/colonies development, *Vespula vulgaris* 4851.
- population dynamics/competition, Acrididae, grasslands 2952.
- population dynamics *Conophthorus resinosae* 4719.
- population dynamics *Dendroctonus brevicornis*, pollution effects 6286.
- population dynamics/development, temperature effects, *Heliothis armigera* 6150.
- population dynamics *Euleia heraclei*, Spain 6202.
- population dynamics *Fiorinia externa* /*Tsugaspidiotus tsugae*, mortality factors 4732.
- population dynamics *Folsomia candida*, *Apochthonius minimus* predation effects on 9542.
- population dynamics *Glossina*, Zimbabwe 5584.
- population dynamics *Halticotoma valida* 4146.
- population dynamics *Heteroplectron americanum* 1092.
- population dynamics *Lucilia cupripina*, mathematical models 2944.
- population dynamics *Lygus lineolaris* 2948.
- population dynamics *Macrosiphum rosae* 6297.
- population dynamics *Misumenops tricuspidatus* 4648.
- population dynamics *Nala lividipes* 4750.
- population dynamics *Nezara viridula* 4654.
- population dynamics *Orchesella cincta* 7824.
- population dynamics/parasitism *Coleophora serratella* 5619.
- population dynamics/parasitism *Hypera postica*, USA New Jersey/Maryland 4749.
- population dynamics/pest control, crop production (intercropping), Coleoptera 6295.
- population dynamics/pest status, *Macrosiphum avenae* 7078.
- population dynamics pests, plants pest resistance 5555.
- population dynamics *Phytoseiulus persimilis* 6284.
- population dynamics/population density, seasonal variations, Coleoptera, Poland Bialowieza National Park 2917.
- population dynamics/population density *Uroplata*, *Bunchosia pilosa*, Costa Rica 498.
- population dynamics/population structure *Heliothis armigera* 2797.
- population dynamics/population structure, *Folsomia quadrioculata*, forests 9538.
- population dynamics/pupation delay, *Bupalus piniarius* 1158.
- population dynamics *Rhinocyllus conicus* 5603.
- population dynamics *Rhodnius prolixus* 1200.
- population dynamics *Saissetia oleae* 6302.
- population dynamics *Sitobion avenae*, mathematical models 3047.
- population dynamics/spatial distribution *Psylla pyri*, orchards, France Rhone Valley 1170.
- population dynamics *Thomasiniana oleisuga* /natural enemies, Jordan 5601.
- population establishment, introduced species, *Lophyrophlectus luteator*, Canada Ontario 1238.

Populations,(continued)

- population establishment *Papilio machaon*, fens 4713.
 population genetics, *Dacus oleae* 7166.
 population genetics, *Dendroctonus ponderosae* 4956.
 population genetics, enzyme polymorphism, *Yponomeuta cagnagellus* 4953.
 population genetics, genotype-environment interactions, *Drosophila melanogaster* 4961.
 population genetics, isolation, *Alagoasa bicolor* 3831.
 population genetics, lethality, *Tetranychus urticae* 2189.
 population genetics, linkage disequilibrium, *Drosophila subobscura* 4085.
 population genetics, mating, *Drosophila* 1352.
 population genetics, spermatozoa distribution, mating systems, Hymenoptera 9715.
 population genetics *Drosophila melanogaster* 3179.
 population growth, *Brevipalpus lewisii* 7032.
 population growth, environmental factors, *Glycyphagus destructor* 5604.
 population growth, *Heliothis armigera* 9532.
 population growth, host plants effects on, *Heliothis armigera* 7023.
 population growth, intraspecific interactions, mathematical models, *Drosophila* 4712.
 population growth, temperature effects, *Culex annulirostris* 6279.
 population growth Acari/Collembola, soil pH effects on 3112.
 population growth *Afropisaura valida* 6196.
 population growth/competition, *Tribolium castaneum* / *Tribolium brevicornis* 3855.
 population growth/dispersal *Acyrtosiphon solani*, *Glycine max* 2953.
 population growth/fecundity, environmental factors, *Aleyrodes brassicae* 5419.
 population growth/life cycles, *Spodoptera litura* 5610.
 population growth/population structure, *Panonychus citri* 7788.
 population growth/succession (ecological), Corixidae 7811.
 population levels, aeration effects on, *Cheyletus* / *Glycyphagus* 7008.
 population levels, *Anopheles albimanus*, El Salvador 7825.
 population levels, breeding sites effects on, *Culex pipiens* 8685.
 population levels, *Citrus* varieties, *Eutetranychus banksi* 9491.
 population levels, crop production (no-tillage) effects on, *Agrotis ipsilon* / *Pseudaletia unipuncta* 3077.
 population levels, crop production (no-tillage) effects on, Acari/Collembola 8681.
 population levels, diurnal variations, *Ceratomya trifurcata* 1159.
 population levels, environmental factors, Aphididae 7029.
 population levels, insecticides effects on, *Diabrotica longicornis* 6360.
 population levels, insecticides effects on, *Simulium damnosum* 8722.
 population levels, *Rhopalosiphum insertum*, British Isles England 7046.
 population levels, seasonal variations, *Autographa* 7807.
 population levels *Aphis barberae* 7036.
 population levels Chironomidae, lakes, Japan 1991.
 population levels eggs, carbofuran effects on, *Diabrotica longicornis* 7883.
 population levels monitoring, pheromone traps, *Cydia nigricana* 7030.
 population levels predators, attractants effects on, orchards 7882.
 population models, Lepidoptera/Aphididae 3896.
 population regulation, *Triatoma infestans* 9512.
 population stability, host plants effects on, *Tyria jacobaeae* 7031.
 population structure, brood rearing, *Myrmica rubra* 5720.
 population structure, competition effects on, Culicidae 8656.
 population structure, *Drosophila subobscura* 9537.
 population structure, *Eulaema*, Costa Rica 5583.
 population structure, *Ischnura gemina*, USA California 9539.
 population structure, mathematical models, *Apis mellifera* 9649.
 population structure, *Odagmia*, Czechoslovakia 1877.
 population structure, *Pemphigus populicaulis* 4329.
 population structure *Anopheles darlingi* 5509.
 population structure *Culis phillodice* 3876.
 population structure/reproductive strategy, *Myrmica* 9651.
 population structure/seasonal variations, Melolonthinae, savannahs, Ivory Coast 2965.
 population structure sex, *Armadillidium vulgare* 2923.
 population studies, *Anopheles* 8684, 9346.
 population studies, Aphididae 4736.
 population studies, *Culex* 6308.
 population studies, *Cydia pomonella* 4823.
 population studies, *Diatraea grandiosella* 7782.
 population studies, Elateridae/Scarabaeidae 5225.
 population studies, *Formica* 8678.
 population studies, marking and tracking techniques, Culicidae 9132.
 population studies, *Mastotermes darwiniensis* 9654.
 population studies, mathematical models, *Grapholitha molesta* 6309.
 population studies, McPhail traps, *Dacus oleae* 6355.
 population studies, sampling, *Lyriomyza sativae* 6370.
 population studies, sampling, *Trypandron retusum* 7412.
 population studies Acari, Prunus persica orchards 5621.
 population studies *Aedes africanus*, Nigeria 7805.
 population studies *Agromyza frontella* 885.
 population studies *Anopheles*, Kenya 2010.
 population studies *Blattella germanica* 5649.
 population studies *Catocala palaeogama* 505.
 population studies *Choristoneura pinus* 1999.
 population studies *Cryptophlebia ombrodelta* 4328.
 population studies *Culex* 506.
 population studies *Culex quinquefasciatus* 405.
 population studies Elateridae, *Picea* forests, Czechoslovakia 1163.
 population studies *Epitrix hirtipennis* / *Heliothis virescens* / *Manduca sexta* 5672.
 population studies *Euphydryas chalcedona* 4752.
 population studies *Hypoderma* 5652.
 population studies *Lymantria monacha*, Czechoslovakia 5612.
 population studies/pest status, *Diabrotica virgifera* 9625.
 population studies Scarabaeidae, grasslands, review 3873.
 production, Ephemeroptera, streams 6385.
 reproductive isolation, *Drosophila immigrans* 9713.
 reproductive isolation, *Leptophlebia marginata* 3160.
 reproductive isolation, *Tetranychus urticae* 6451.
 sampling, Aphididae 8769.
 sampling, Arthropoda, grasslands 7426.
 sampling, Arthropoda, orchards 9124.
 sampling, Cicadellidae 9510.
 sampling, methodology, *Choristoneura fumiferana* 5236.
 sampling, Orthoptera 8307.
 sampling, traps, *Culicoides variipennis* 9115.
 sampling Scarabaeidae population density, soil 3869.

Populations,(continued)

- sampling Simuliidae, streams 6711.
 seasonal variations abundance/activity *Helicoverpa armigera*, India 3093.
 seasonal variations population levels Lepidoptera, Saudi Arabia Al-Hassa 3879.
 sex ratios, population genetics, models, *Coccophagus scutellaris* 8885.
 sex ratios/population density effects on reproduction, *Delia antiqua* 5410.
 sex ratios/reproduction, *Calopteryx* 2913.
 sexual selection, population genetics, *Drosophila melanogaster* 4093.
 size, population genetics, *Drosophila subobscura* 4960.
 size, variance, population genetics, *Ceratitis capitata* 4084.
Sorghum bicolor planting date effects on infestations
Contarinia sorghicola /*Diatraea saccharalis*, Brazil 1241.
 spatial distribution, *Aleurocanthus woglumi* 6311.
 spatial distribution, *Bemisia tabaci*, *Gossypium* crop plants 5635.
 spatial distribution, Cicindelidae 3888.
 spatial distribution, food availability, *Lestes disjunctus* larvae 7835.
 spatial distribution, mathematical models, Tortricidae 8659.
 spatial distribution, role stridulation, Tettigoniidae 3702.
 spatial distribution, sex differences, *Acanthocoris sordidus* 3891.
 spatial distribution, *Trialeurodes vaporariorum* 4763.
 spatial distribution Chironomidae larvae, paddy fields, USA California 1186.
 spatial distribution Culicidae, paddy fields, Japan 2962.
 spatial distribution/dispersal, *Hyphantria arcuata*, forests streams 6272.
 spatial distribution eggs, mathematical models, *Phytomyza ranunculi* 7817.
 spatial distribution/foraging behaviour, seasonal variations, forests, *Formica lugubris* 9518.
 spatial distribution *Ixodes trianguliceps* 4764.
 spatial distribution *Peltophera arcuata*, forests streams 6272.
 species diversity, *Drosophila* 487.
 survival, aggregation behaviour, *Neodiprion sertifer* larvae 8577.
 survival, *Culex tritaeniorhynchus*, paddy fields 4766.
 survival, dieltrid resistance, sex linkage, *Lucilia cuprina* 7051.
 survival, environmental factors/host plants effects on, *Malacosoma californicum* 5497.
 survival, metabolic wastes, *Drosophila* 9321.
 survival/fecundity, host plants, *Tetranychus cinnabarinus* 4684.
 survival/mortality factors, *Culex tritaeniorhynchus*, paddy fields 4767.
 sympatric populations *Cicindela limbalis* /*Cicindela splendida*, USA Minnesota 2003.
 Tachinidae, *Gossypium* crop fields, USA Arizona 511.
 traps catches, weather, *Chrysopa carnea* 7808.
 vertical distribution, Culicidae, forests 9552.
 vertical migration/energy budget, *Chaoborus trivittatus* 4861.
Porcellio,
 chromosomes 7954.
 ecology, forests, Japan 3893.
Porcellio dilatatus,
 pigmentation, polymorphism 645.
Porcellio scaber,
 iridescent virus 5365.
 yolk ultrastructure 349.
Porohalacarus alpinus,
 reproduction/occurrence, Italy Modena 4992.
Porphyrintia blandula,
 first record, France 4126.
Porrhomma oblitum,
 new records, Netherlands 7184.
Portanus,
 new species, Bolivia/Brazil/Peru 819.
Portevinia,
 taxonomy 9053.
Portia,
 revision 3287.
Portotyphlus,
 new genus, Portugal 3332.
Portugal,
 check lists Drosophilidae 5769.
 check lists Tabanidae 7196.
 first record *Gluvia dorsalis* 7186.
 Hydraenidae/Elmidae fauna 2320.
 new species Elmidae 2320.
 new species Glossosomatidae 869.
 new species Palaearctic Region 3332.
 new species Psyllidae 5154.
 taxonomy/check lists Aphidoidea 2388.
Postelectrotermes,
 taxonomy 9721.
Postelectrotermes nayari,
 tergal gland/reproductive behaviour 6836.
Potamanthidae,
 rhythms 414.
Potamanthus myops,
 feeding diel periodicity 414.
Potameis,
 taxonomy 81.
Potamonectes assimilis,
 morphology 1369.
Potamophylax cingulatus,
 case construction, adaptations 4651.
 chromosomes 4043.
 food plants defence mechanisms 8631.
Potamophylax rotundipennis,
 new records, Denmark 3240.
Potosia marginicollis,
 parasitism 2831.
Poya,
 new genus, Leptophlebiidae 1490.
Praeloxotropa,
 new genus, Mongolia, People's Rep. 4265.
Praona,
 taxonomy 9019.
Praxibulus,
 morphology 180.
Praxitheia,
 new species, Neotropical Region 9002.
Prays citri,
 pheromone traps, infestations, *Citrus*, Sicily 9591.
Prays oleae,
 larvae competition, mathematical models 6999.
Precis archesia,
 new subspecies, Uganda 3394.
Precis coenia,
 development, wings coloration 5334, 5335.
 feeding behaviour, Graminae flowers 5573.
Predation,
Aeshn /*Dytiscus* /a Belostomatidae *Culaea inconstans* 2828.
Amblyseius fallacis predator prey interactions *Tetranychus urticae*, orchards, New Zealand 1247.

Predation,(continued)

- Anax junius* predator-prey interactions *Hyla gratiosa* 3121.
Angiopolybia pallens / *Gastrops willistoni* - *Leptodactylus pentadactylus* 8679.
Anthocoris - *Phorodon humuli* 9627.
 anti-predator behaviour, *Lepidoptera* 8605.
 anti-predator behaviour, *Rhagovelia obesa* 4657.
Apateticus bracteatus on *Trirhabda* 2789.
Apochthonius minimus - *Folsomia candida* 9541.
Araneae on *Chilo partellus* 1996.
Araneae - *Spodoptera littoralis* 5632.
 Arthropoda on Isopoda, dunes 3883.
 behaviour, mechanisms, *Tenodera aridifolia* 3485.
 biological control *Diatraea saccharalis* 7073.
 biomechanics, *Aeshna* 6777.
 birds - *Carabidae* / *Cicindelidae* 6290.
 birds - *Euphydryas*, defence mechanisms 9437.
 birds - *Lymantria dispar* eggs 7000.
 birds - *Maniola jurtina*, effects on coloration 7801.
 birds on *Cydia pomonella* larvae 3857.
Camponotus herculeaneus on *Glaucopteryx passerinum* juveniles 3830.
 cannibalism, effects on mating behaviour, *Phidippus johnsoni* 6915.
 cannibalism, Odonata 6269.
 cannibalism, *Polistes* 9400.
Carabidae on *Delia brassicae* 1174.
Cerceris prey 8682.
Cermatulus nasalis / *Oechalia schellenbergii* - *Paropsis charybdis* 6935.
 check lists prey *Podisus maculiventris* 2826.
 Chiroptera, defensive behaviour *Arctiidae* 6208.
Chlaenius rayotus - *Hyblaea pueri* 7789.
Chrysopa carnea - *Phyllotreta cruciferae* 7726.
Chrysopa signata / *Micromus tasmaniae* / *Tropiconabis capsiformis*, age effects 6221.
Coccinellidae - *Aphididae* 6293.
 coloration/anti-predator behaviour, *Chaoborus* 4859.
 coloration effects on, *Morpho* 417.
Culex, ponds 8791.
Dactylopius prey, *Laetilia coccidivora* 402.
 development, *Ranatra linearis* 421.
Dugesia dorotocephala on *Culex pipiens* 2018.
Dytiscus dimidiatus on *Lymnaea truncatula* 2109.
 effects on Crustacea community structure, lakes, *Chaoborus* 7813.
 effects on evolution coloration, *Lepidoptera* 7172.
 effects on *Lepidoptera* pests populations 2912.
 effects on survival, mating, *Diaperomera veliei* 7654.
Empididae / *Chironomidae* - *Trichoptera* 8657.
Euborellia moesta 6944.
 evaluation predators, *Papilio xuthus* 2931.
 fish - *Chironomidae* 9530.
 food selection, *Chaoborus* 3752.
 food selection, *Chaoborus trivittatus*, review 4862.
 food selection, *Erigonidae* / *Linyphiidae* / *Theridiidae* 423.
 foraging behaviour, orientation, *Anthocoris nemorum* 5465.
Formica lugubris prey 9420.
Formica rufa - *Drepanosiphum platanoidis* / *Operophtera brumata* 6282.
Formicidae on *Eriocraniella* 418.
Formicidae prey, *Helosciomyza subalpina* 1076.
Geocoris punctipes on *Heliothis virescens* 2930.
Gryllidae prey *Bufo marinus* 2932.
Habrocestum pulex - *Formicidae* 7001.
Heliothis virescens larvae, behavioural genetics 4077.
Hemicordulia tau 7697.
Herpobdelloidea - *Culex fatigans* 7691.
Hippodamia convergens on *Aphididae* 2947.
 integrated control *Diatraea saccharalis* 7083.
Ischiodon escutellaris - *Aphididae* 9406.
Lonchaea corticis - *Pissodes strobi* 7727.
Mallos gregalis - *Diptera* 4659.
 mammals on *Myrmecocystus* 3860.
 mathematical models predator-prey interactions, *Pergamasus crassipes* on *Onychiurus armatus* 1988.
Megacephala affinis - *Onthophagus* 8680.
Melyridae - *Haplothrips tritici* 6941.
Metaseiulus occidentalis - *Tetranychus urticae*, mathematical models 4831.
Misumenops tricuspidatus - *Gossypium* pests 4648.
 mouthparts muscles, Odonata 3466.
 natural enemies, *Aphididae* 1983.
 natural enemies *Acyrtosiphon*, New Zealand 3972.
 natural enemies *Aphididae*, cereals crop fields 3823.
 natural enemies *Heliothis*, Australia New South Wales 501.
 natural enemies *Heteronychus arator*, South Africa 3868.
 Notonectidae - *Corixidae*, environmental factors 7113.
Oechalia schellenbergii - *Phalaenoides glycine* 8666.
Oedoparena glauca - *Balanus* 9398.
Pardosa sternalis food selection, methodology 9116.
Parus major - *Papilio machaon* larvae, aposematic colour effects on 7796.
 Pentatomidae 1906.
Philanthus triangulum on *Apis mellifera*, Egypt, Arab Rep. 1995.
Phrynosoma modestum - *Myrmecocystus* 9500.
Phytoseiulus persimilis - *Tetranychus kanzawai* 6284.
Phytoseiulus persimilis - *Tetranychus urticae*, foraging behaviour 9543.
Picidae - *Coleoptera* larvae 5608.
Pimephales promelas - *Aedes aegypti* 7922.
Podisus maculiventris effects on spatial distribution *Galleria mellonella*, mathematical models 1185.
Polistes on *Lepidoptera* larvae, wounds, attractants 2915.
 population density effects on, *Mogannia minuta* 7033.
 population dynamics, mathematical models 9528.
 predator-prey interactions, *Athene cunicularia* / *Bothriurus araguayae* 3889.
 predator-prey interactions, *Ephemeroptera* / *Plecoptera* 5724.
 predator-prey interactions, *Macrocheles* / *Musca domestica* 1179.
 predator-prey interactions, *Pardosa vancouveri* / *Drosophila melanogaster* 3853.
 predator-prey interactions, *Phytoseiulus persimilis* / *Tetranychus pacificus*, mathematical models 510.
 predators identification, *Noctuidae*, radioactive labelling 1989.
 predators population levels, attractants effects on, orchards 7882.
 predatory behaviour, adaptations, *Lycosidae* 5613.
 predatory behaviour, environmental factors, *Cicindela hybrida* 5622.
 predatory behaviour, *Ephemerella inermis* larvae 6213.
 predatory behaviour, *Hydrophorus oceanus* 7826.
 predatory behaviour, *Scathophaga stercoraria* 6215.
 predatory behaviour, *Toxorhynchites brevipalpis* larvae 5529.
 predatory behaviour, vibratory stimuli, *Notonecta glauca* 2550.
 predatory behaviour *Cleobora mellyi* / *Harmonia conformis*, *Chrysophtharta bimaculata* eggs 385.
 predatory behaviour *Cyrtophora* 1114.
 predatory behaviour *Neivamyrmex nigrescens* 3877.
 predatory behaviour *Nephila clavipes* 9523.

Predation,(continued)

predatory behaviour/prey, *Oxybelus* 7681.
 predatory behaviour *Thyrecephalus orthodoxus* 3894.
 prey, *Andrallus spinidens* 378.
 prey, Araneae 9527.
 prey, *Trachypus* 377.
 prey density effects on population dynamics, *Chiracanthium mildei* 7810.
 prey detection, *Coccinella septempunctata* 1109.
 prey effects on development, *Thanasimus dubius* 320.
 prey *Micrathena gracilis* 6967.
 prey size effects on emergence, *Dinocras cephalotes* 3755.
Procyon lotor effects on population density *Lymantria dispar* pupae 500.
Scymnus marginicollis -*Myzus persicae* 4616.
 serological tests, *Simulium* predators 5725.
Solenopsis geminata on *Nilaparvata lugens* 2946.
 spatial distribution predators, *Gossypium hirsutum* 2971.
 Sphecidae/Vespidae/Tabanidae 8916.
 swarming behaviour, *Hetaerina americana* 412.
 Syrphidae on Aphididae, Czechoslovakia 1997.
 Syrphidae prey, review 6962.
 territorial behaviour, *Phlanthus* 1188.
Thanasimus dubius -*Dendroctonus frontalis* 6951.
 theories, *Lucilia cuprina* population models use 3866.
Toxorhynchites rutilis -*Aedes aegypti* 8683.
Toxorhynchites rutilis on *Aedes aegypti* 5535.
Vespula maculata -*Eudioctria tibialis* 8580.

Prenolepis imparis,
 resource partitioning, foraging behaviour, forests 4625.

Pria,
 new species, Ethiopian Region 5103.
 new species, India 7290.

Prionocyphon,
 new species, Viet Nam 2321.

Prionyx,
 nesting behaviour 7702.

Prismognathus,
 new species, India 2325.

Pristiphora condei,
 taxonomy 4279.

Pristiphora erichsonii,
 nutrition, *Larix* host plants suitability 9464.

Pristiphora gronblomi,
 first record, Switzerland 5011.

Pristomerus hawaiiensis,
 natural enemies, USA 8613.

Pristomerus vulnerator,
 biology/reproduction, parasitism *Pectinophora gossypiella* 1930.

Pristomyrmex pungens,
 new records, introduced species, New Zealand 6487.

Proaphelinoides,
 taxonomy 4260.

Proaspis,
 new species, Guadeloupe 871.

Probatiscus,
 new species, Balearic Is. 5875.

Procanace,
 new species, Malagasy Rep. 3341.

Procapritermes,
 new species, Bhutan 2418.

Procecidochares,
 galls, *Chrysotoxum*, biology 380.
 life cycles 7698.

Proceratium,

taxonomy 6662.

Prochoreutis,

taxonomy 7371.

Procladius,

energy flow/production 4000.

taxonomy/immature stages 5879.

Procleobis,

taxonomy 34.

Proclleon,

distribution, Germany, Fed. Rep. 9731.

Procordulia grayi,

egg masses 6742.

Procris manni,

first record, Iberian Peninsula 3228.

Procris statices,

taxonomy/morphology 136.

Procris subsolana,

biology 3716.

Proctacanthella leucopogon,

feeding behaviour/foraging behaviour/mating behaviour 9388.

Proctolabinae,

revision, Neotropical Region 1529.

revision/new species, Brazil/Guyana 867.

Proctolaelaps hystrix,phoresy, *Monochamus alternatus* 2829.**Prodenia eridania**,

transmission potato spindle tuber viroid 1234.

Prodiamesa,

chromosomes 4047.

Prodiamesa olivacea,

polytene chromosomes, DNA content, sex differences 8830.

Proevippa,

taxonomy 6559.

Profenusa thomsoni,

first record, Netherlands 8918.

new records, British Isles 6482.

Progompus,

new species, USA 1528.

Progompus abbreviatus,

larvae 8347.

Proisotoma,

new records, British Isles 6475.

Proisotoma vesiculata,

midgut, ultrastructure 4392.

Propoxur,toxicity, residual effects, *Dysdercus cingulatus* 1776.**Propsephus**,

new species, Ethiopian Region 1452.

Propylea quatuordecimpunctata,

biology/ecology/geographical distribution, Nearctic Region 7221.

Proscopiidae,

behaviour 9435.

taxonomy 8290.

Prosimulium,

hybrids/sex determination 8861.

new species, Japan 5894, 5895, 6622.

taxonomy 1486.

Prosimulium mixtum,

fecundity 9574.

feeding 9573.

flight/attractants/biting behaviour 420.

host selection 437.

repellents, bioassays 5329.

- Prosopocoelus**,
new species, Oriental Region/Australasian Region 787.
new species, Viet Nam/Burma 2325.
- Prosopocoelus politus**,
taxonomy 6585.
- Prospatella opulenta**,
rearing 8773.
USA 3030.
- Prospatella woglumi**,
biological control *Aleurocanthus woglumi*, Platygasteridae
Aphelinidae 3030.
- Prostephanus truncatus**,
damage/pest status, stored products *Zea mays* 3049.
life cycles 6945.
- Protactia**,
new species, Malaya 9017.
- Protalcis**,
new genus 852.
- Proteins**,
accessory gland, *Poecilocera picta* 7628.
amino acid sequence erythrocrucorin, *Chironomus thummi*
3524.
amyloid agglomeration, ageing, *Apis mellifera* queens 9297.
antibacterial activity, fat body, *Hyalophora cecropia* 4431.
ATP dependent DNA-unwinding protein, *Drosophila*
melanogaster 587.
biochemistry, metamorphosis, *Phanerotoma flavitescens*
8420, 8421.
biosynthesis, accessory gland, juvenile hormones, *Rhodnius*
prolixus 7530.
biosynthesis, chorion, *Antheraea polyphemus* eggs 2484.
biosynthesis, cuticle, development, *Tenebrio molitor* 1603.
biosynthesis, fat body, *Philosamia cynthia* larvae 4425.
biosynthesis, nerves, cycloheximide effects on,
Stagmatoptera biocellata 3471.
biosynthesis, oogenesis, *Drosophila melanogaster* 350.
biosynthesis, ovary, Culicidae 347.
biosynthesis, radiation (X) effects on, *Bombyx mori* 6148.
biosynthesis, role phototaxis *Popilius disjunctus* / *Tenebrio*
molitor 1642.
biosynthesis, testis, *Schistocerca gregaria* 7638.
biosynthesis, tissue culture, ovary, *Bombyx mori* 2497.
biotypes characterization, *Myzus persicae* 2594.
body composition, ageing, *Phormia terraenovae* 9294.
calliphorin biosynthesis, *Calliphora vicina* 6034.
carotenoproteins, characterization, *Rhynchosciara*
americana 6026.
cell lines, Insecta 4424.
characterization, cuticle, development, *Tenebrio molitor*
1602.
cold/glycerol effects on, haemolymph, *Galleria mellonella*
1674.
collagen, characterization, *Periplaneta americana* 4403.
concentration, growth/development, *Acyrtosiphon pisum*
600.
cross-linking, DNA, mitochondria, *Drosophila melanogaster*
1289.
cuticle, antibiotics/hormones effects on, *Tenebrio molitor*
328.
cuticle, *Calliphora vicina* 2502.
cuticle, *Locusta migratoria* 9156.
cuticle tanning, Insecta 4345.
cytochrome P-450, characterization/multiple forms,
Sarcophaga bullata / *Phormia regina* 956.
development, *Drosophila melanogaster* 6911.
diets, amino acids effects on growth, *Tenebrio molitor* 1663.
diets, effects on oogenesis, *Lucilia cuprina* 1844.
digestion, *Tipula abdominalis* 4405.
DNA-binding protein, heat shock proteins genes, *Drosophila*
melanogaster 7973.
embryogenesis, *Drosophila melanogaster* 9311.
erythrocrucorin, *Chironomus thummi* 7480, 7481, 7482.
erythrocrucorin amino acid sequence, *Chironomus thummi*
3510.
eye, *Apis mellifera* 933.
fat body, characterization, *Diatraea grandiosella* 1676.
fat body, *Diatraea grandiosella* larvae 958.
fat body/haemolymph/ovary, *Melanoplus sanguinipes* 3667.
fibroin, silk gland, *Bombyx mori* 8438.
fibroin polymorphism, *Bombyx mori* 1330.
fibroin secretion, silk gland, selection, *Bombyx mori* 7972.
follicles, vitellogenesis, *Locusta migratoria* 7639.
Galleria mellonella, metamorphosis 1673.
glycoproteins membrane biosynthesis, *Aedes aegypti* 4428.
haemocyanin, *Androctonus australis* 3541.
haemocyanin, *Cupiennius salei* 4412.
haemocyanin, *Euryptelma californicum* 1678, 3526.
haemoglobin, amino acid sequence, *Chironomus thummi*
3495.
haemolymph, castes differences, *Macrotermes subhyalinus* /
Zootermopsis angusticollis 8387.
haemolymph, insecticides effects on, *Blattella germanica*
7486.
haemolymph, *Locusta migratoria* 3671.
haemolymph, metamorphosis, *Pieris rapae* 7485.
haemolymph, *Peripatus acacioi* 2596.
haemolymph, *Pieris rapae* pupae 5304.
haemolymph, purification/characterization, *Bombyx mori*
941.
haemolymph, *Trichoplusia ni* 2744.
haemolymph/fat body, metamorphosis, *Bombyx mori* 5319.
heat shock, biosynthesis, *Chironomus tentans* 9199.
heat shock, cells, *Drosophila* 3135.
heat shock, genes, *Drosophila melanogaster* 2131.
heat shock proteins, gene mapping, *Drosophila melanogaster*
1292.
heat shock proteins, RNA biosynthesis, cell culture,
Drosophila melanogaster 1300.
Hishimonus sellatus 5317.
imaginal discs, *Sarcophaga peregrina* 952.
juvenile hormones receptors, characterization, *Drosophila*
melanogaster 3528.
lectins, interaction *Trypanosoma cruzi*, *Rhodnius prolixus*
6809.
lipoproteins, haemolymph, flight, *Locusta migratoria* 8402.
lipoproteins, haemolymph, *Periplaneta americana* 6780.
lysates, heat shock induction, *Drosophila melanogaster* 9673.
manducin, haemolymph, *Manduca sexta* 3497.
melanophore-dispersing factor, *Apis mellifera* / *Periplaneta*
americana 7501.
membrane glycoproteins, *Aedes aegypti* 4417.
neurosecretion, *Locusta migratoria* 3473.
nonhistone proteins, evolutionary genetics, *Drosophila*
melanogaster / *Sciara coprophila* 651.
peptides characterization, midgut, *Manduca sexta* 6029.
polymorphism, salivary gland, *Drosophila melanogaster*
4070.
proctolin, muscles *Leucophaea maderae* 4348.
protein biosynthesis, Balbiani rings, *Chironomus tentans*
4022.
protein biosynthesis, epidermis, *Manduca sexta* 6168.
protein biosynthesis, microsomes, ageing, *Drosophila*
melanogaster 9295.

Proteins.(continued)

- protein biosynthesis, regulation, during heat shock, *Drosophila melanogaster* 1308.
- protein biosynthesis, vitellogenesis, *Carausius morosus* 9359.
- protein biosynthesis, vitellogenesis, *Drosophila melanogaster* 9361.
- resilin, cuticle, abdomen *Odontotermes obesus* 211.
- ribonucleoproteins, translation, *Smittia* embryos 6125.
- ribosomal proteins, expression, *Drosophila melanogaster* 2128.
- salivary gland, *Anopheles/Culex* 2622.
- salivary gland, development, *Chironomus thummi* 1729.
- serum proteins, peptide mapping, *Drosophila melanogaster* larvae 954.
- synaptosomes, membrane phosphorylation, *Drosophila melanogaster* 9170.
- tubulin biosynthesis, embryogenesis, *Smittia* 7590.
- vitellin, *Blattella germanica* 6904.
- vitellin, purification/characterization, *Bombyx mori* 964.
- vitellin/vitellogenin, *Locusta migratoria* 6814.
- vitellogenin, characterization, *Apis mellifera* 2581.
- vitellogenin, haemolymph, ecdysterone effects on, *Sarcophaga bullata* 7601.
- vitellogenin, Insecta, review 6907.
- vitellogenin, *Periplaneta americana* 4300.
- vitellogenin biosynthesis, *Drosophila melanogaster* 3677.
- yolk, *Acheta domestica* 8552.
- yolk, biosynthesis, ovary, *Drosophila* 6167.
- yolk, embryogenesis, *Bombyx mori* 6122.
- yolk, embryology, *Bombyx mori* 6903.
- yolk, variation, regulation vitellogenesis, *Drosophila* 1852.
- Proteinus**,
new species, USA 59.
- Proterebia**,
new genus 6678.
- Protereisma**,
new species, fossils, Permian, USA 3295.
- Protereismatidae**,
new species, fossils, Permian, USA 3295.
- Proterospastis**,
new species, Fiji 865.
- Prothyma**,
new species, Bangladesh 48.
- Prothymidia angusticollis**,
new subspecies, Ethiopian Region 5091.
- Protohermes**,
taxonomy 8287.
- Protoneuridae**,
new species, China, People's Rep. 7399.
- Protophormia terraenovae**,
circadian rhythms, proboscis extension 940.
labellar chemoreceptors 6020.
sugar receptors, α -glucosidase 6763.
- Protopolybia exigua**,
alarm behaviour, role olfaction/vision, Formicidae attack 2821.
dispersal, swarming behaviour 8782.
- Protortonia**,
new species, Brazil 3369.
- Protosphaeroniscus**,
new genus, fossils, Dominican Rep. 5969.
- Prototritia africana**,
taxonomy 2281.
- Protozoa**,
Actinocephalus dujardini, pathology *Lithobius* 1737.
Adelina, effects on reproduction, *Heteronychus arator* 3576.
Amblyospora polykarya, infection, *Aedes taeniorhynchus* 6083.
Babesia bovis, vectors, *Boophilus microplus* 7865.
Babesia microti, transmission, *Ixodes trianguliceps* 3727.
Ciliata, pathology, *Ytu brutus* 7302.
Cystocephalus rhytinotus, infection *Rhytinota tristis* 2645.
Epistylus cambari, association, Odonata larvae 4735.
Gregarina, infection, *Longitarsus/Blattellidae* 6084.
infection, Simuliidae 1744.
infection *Collembola* 2653.
Leishmania mexicana infection *Lutzomyia* 526.
Leucocytozoon smithi, transmission, *Simulium* 8711.
Malamoeba scolylti, infection, Scolytidae 4495.
Microsporidia, pathology, *Euxoa scandens* 8458.
Microsporidium, infection Chironomidae 8457.
Nosema, infection, *Antheraea assamensis* 5368.
Nosema, pathogenicity, *Bombyx mori* 1754.
Nosema apis diagnosis/prophylaxis, *Apis mellifera* 287.
Nosema carpocapsae, geographical distribution, New Zealand 6080.
Nosema disstriae, pathology, *Malacosoma disstria* 5360.
Nosema locustae, pathogenicity Acrididae 3593.
Nosema pyrausta infection, *Macrocentrus grandii/Hymenoptera* 280.
Nosema whitei infection, effects on *Tribolium castaneum* 3577.
Octospora muscaedomesticae infection, *Apis mellifera* 285.
Oligosporidium arachnicolum, infection, *Xysticus cambridgei* 6088.
Plasmodium, transmission, *Anopheles* 6332, 7853.
Plasmodium, vectors, *Anopheles*, Saudi Arabia 4793.
Plasmodium, vectors, Culicidae 8719.
Plasmodium elongatum, vectors, *Culex* 7851.
Plasmodium falciparum infection *Anopheles freeborni* 4787.
Plasmodium vivax infection, *Anopheles* 520.
Plasmodium yoelii, transmission, *Anopheles stephensi*, aminobenzoic acid effects on 1195.
Pleistophora culicis, biological control Culicidae 1198.
Pleistophora malthodes, infection *Malthodes fuscus* 1749.
Pleistophora oncoperae, pathology, *Oncopera alboguttata* 3581.
Pleistophora simuli, infection, *Simulium*, Argentina/Chile 3592.
Sphaerocystis odontotermi, isolation, *Odontotermes* 4497.
Sporozoa, isolation, Scolytidae 7559.
Sporozoa infection *Petrobius brevistylis* 994.
Stenoductus carlogoni, infection *Carlogonus palmatus* 6847.
Theileria mutans, life cycles, *Amblyomma variegatum* 2024.
Theileria mutans, transmission, *Amblyomma gemma* 7855.
Theileria parva, experimental infection, *Rhipicephalus appendiculatus* 4774.
Theileria parva, infection, *Rhipicephalus appendiculatus* 7858.
Trichonympha, symbionts, *Rugitermes niger/Neotermes arthurimuelleri* 426.
Trypanosoma, epidemiology, *Glossina*, Uganda 1213.
Trypanosoma, infection, effects on blood flow, *Glossina* mouthparts 2562.
Trypanosoma, susceptibility, *Triatoma infestans* 4796.
Trypanosoma, vectors, *Rhodnius prolixus* 9571.
Trypanosoma congolense, development, *Glossina morsitans* mouthparts 2988.
Trypanosoma cruzi, interaction lectins, *Rhodnius prolixus* 6809.
Trypanosoma cruzi infection *Triatoma barberi* 516.
Trypanosoma hedricki, development, *Cimex brevis* 8704.
Trypanosoma rangeli, penetration salivary gland, *Rhodnius prolixus* 3007.

Protozoa,(continued)

- Vavraia culicis* , pathology, Culicidae 9267.
- Protracheoniscus orientalis***,
food consumption 9441.
- Protzia***,
new species, Iran 7253.
- Protziidae***,
new species, Iran 7253.
- Psadaria pallida***,
taxonomy 8178.
- Psammaecius***,
taxonomy 3380.
- Psammodius***,
new species, Cuba 3326.
new species, Korea, Rep. 5079.
new species/new records, Seychelles 5112.
revision, Palaearctic Region 1439.
taxonomy 5836.
- Psammotermes***,
adaptations, deserts, Ethiopian Region 3244.
pest status/biology/ecology, Egypt, Arab Rep. 2087.
pest status/ecology, Yemen, People's Rep. 2228.
- Psammotettix lividellus***,
community structure, grasslands 5594.
- Psammotettix striatus***,
transmission barley yellow striate mosaic virus 1970.
- Psectrocladius eurycnemoides***,
taxonomy 911.
- Pselaphidae***,
morphology/phylogeny 1357.
new species, Spain 2328.
new species, Tanzania 5105, 5107.
new species, Zaire 5108, 6588.
new species, Zaire *Ectotrabisus* , new species, Zaire 5106.
new species/new records, Italy 2329.
phenology, temperature effects 1085.
taxonomy 5109, 6587.
- Pselaphogenius***,
new species, Italy 2329.
- Pselaphostomus***,
new species, Italy 2329.
- Psephenidae***,
larvae, adaptations, aquatic environments 3997.
new species, USA 5862.
- Psephocrita***,
taxonomy 6680.
- Pseudaletia***,
sex pheromone 4447.
- Pseudaletia unipuncta***,
integrated control 3077.
midgut esterase 234.
pathology, granulosis virus/nuclear polyhedrosis virus
synergism 1002.
pupae, *Neoplectana carpocapsae* susceptibility 5359.
- Pseudanophthalmus***,
new species, USA 766.
- Pseudasphondylia rauwolfiae***,
new species, New Caledonia 7307.
- Pseudatomoscelis seriatus***,
hatching overwintering eggs, temperature requirements 1034.
- Pseudaulacaspis pentagona***,
development/fecundity, temperature effects 325.
reproduction 8495.
- Pseudendestes***,
new genus, Australia 5850.
- Pseudeucoila bochei***,
reproductive behaviour 4583.
- suppression hosts defence mechanisms 1927.
- Pseudevoplitus***,
new species, Guatemala 4248.
- Pseudoalaoxybites***,
new genus, Neotropical Region 8136.
- Pseudoazya***,
new genus, Neotropical Region 4199.
- Pseudobonzia***,
new species, South Africa 8964.
- Pseudocoles oedipodtoides***,
taxonomy 140.
- Pseudochazara cingovskii***,
new subspecies Greece 7388.
- Pseudochthonius***,
new species, fossils, Oligocene, Dominican Rep. 5830.
- Pseudocloeon***,
new species, Zaire 3362.
vertical distribution, drift, rivers 7119.
- Pseudococcidae***,
host plants 6253.
life cycles 1902, 6950.
lipids 1681.
natural enemies 7011.
new records, Australia/Papua New Guinea 8948.
new species, India 5151.
orientation 9371.
parasitism 3729.
pests 9611.
pests, *Mangifera indica* , Pakistan Karachi 3099.
pheromones 1704, 4458, 9228.
taxonomy 2395, 3370, 5152, 8241, 9072.
- Pseudococcus calceolariae***,
orientation, pheromones 9371.
sex pheromone release 9228.
- Pseudococcus comstocki***,
sex pheromone 4458.
sex pheromone response 1704.
- Pseudocorymbites***,
taxonomy 51.
- Pseudogarypidae***,
new species, USA 8987.
- Pseudogarypinus***,
new species, USA 4180.
- Pseudogarypus***,
new species, USA 8987.
- Pseudogonalos hahni***,
new records, Germany, Fed. Rep. Rheinland 4119.
- Pseudogonatopus nudus***,
life cycles, Philippines 5546.
- Pseudoleptaleus***,
new species, Malagasy Rep. 5078.
- Pseudolinnophila***,
new species, fossils, Canada 7324.
- Pseudolina***,
check lists, India 2314.
- Pseudoloxops***,
new species, Sri Lanka 8240.
- Pseudomacraspis***,
new species, Bolivia/Peru 3328.
- Pseudomaso***,
new genus, Nigeria 7257.
- Pseudomops septentrionalis***,
new records, USA Louisiana 9746.
- Pseudomyrmex brunnea***,
predation *Eriocraniella* 418.
- Pseudomyrmosa***,
new genus 5939.

***Pseudomyrmosa*, (continued)**

new species, Palaearctic Region 9082.

***Pseudoneptis*,**

taxonomy 5952.

***Pseudoneureclipsis*,**

new species, Morocco 3411.

***Pseudonychiurus*,**

new genus, China, People's Rep. 62.

***Pseudophilippia quaintancii*,**

immature stages/taxonomy 4332.

***Pseudophilotes*,**

ecology, Spain 3878.

***Pseudophorus*,**

taxonomy 6551.

***Pseudophotopsis*,**

taxonomy 5938.

***Pseudophthora*,**

new species, Sri Lanka 1463.

***Pseudopillinurgus*,**

taxonomy 9019.

***Pseudoplusia includens*,**

attractants 2606.

pest status, *Helianthus annuus*, USA Georgia 1244.

predators identification, radioactive labelling 1989.

toxicity diflubenzuron 1767.

***Pseudorhinoessa*,**

taxonomy 6626.

***Pseudorhyncomyia*,**

new species, South West Africa 797.

***Pseudorthocladius*,**

new species, Germany, Fed. Rep. 6606.

new species, USA 6607.

***Pseudoryctes*,**

new species/new records, Australia 5865.

***Pseudoscorpiones*,**

bibliography 5829.

communities 7043.

new species, Cuba 1438.

new species, India 5828, 7263.

new species, Morocco 6562.

new species, New Caledonia 7264.

new species/new records, Canary Is. 2293.

zoogeography 6496.

***Pseudosinella*,**

new species, Peru 6596.

***Pseudotraulia*,**

new genus, Thailand 4297.

***Pseudrileya*,**

new genus, Brazil 2404.

***Psila rosae*,**

electroantennograms, plant extracts 929.

***Psilidae*,**

senses 929.

***Psithyrus*,**

behaviour/geographical distribution/life cycles, USA Michigan 5486.

***Psocidae*,**

new species, Ethiopian Region 2441.

pollution indicators 2954.

***Psocoptera*,**

check lists, Norfolk I. 7181.

check lists, Spain 7214.

check lists, Yugoslavia Istria 3239.

check lists/new records, Belgium 3238.

check lists/new species, Brazil Amazonas 6697.

zoogeography 5778.

***Psoloessa*,**

new genus, Mexico 144.

***Psorophora*,**

biological control 3900.

***Psorophora columbiae*,**

biological control 1202.

toxicity pyrethroids 528.

***Psorophora ferox*,**

isolation Rocio virus 5639.

phenology/seasonal variations sugars feeding 3750.

***Psoroptes*,**

acaricides 518.

amino acids 3521.

***Psoroptes communis*,**

infestations/chemical control, sheep 2045.

***Psoroptes cuniculi*,**

chemical control 2029.

feeding 441.

***Psoroptes ovis*,**

chemical control 2029.

***Psoroptidae*,**

acaricides 518.

amino acids 3521.

chemical control 2029.

chemical control/infestations 2045.

development 6143.

feeding 441.

new species, Australia 4151.

new species, Spain 1420.

parasitism 3770, 9460.

***Psychidae*,**

development 5399.

new species, Finland 5202.

new species, France 8274.

new species, Japan 8273.

pests 1974.

predation 2915.

***Psychoda*,**

new species, Italy 5891.

new species, Kenya 4239.

***Psychodidae*,**

check lists, German Dem. Rep. Thuringian 6507.

diapause 3625.

ecology 6288, 9519.

ecology/taxonomy 582.

emergence, streams, Austria Lunz am See 4860.

enzyme polymorphism 9701.

fauna, forests, Malaysia 3247.

geographical distribution/vector borne diseases 722.

glands 8446.

habitats/check lists/new species, Italy Dolomite Mts. 5891.

new species, French Guiana 1484.

new species, Kenya 4239.

new species, USA 5890.

pathology 7542, 7543.

pests 2037.

population genetics 3125.

populations 5646.

taxonomy 77, 1483, 2367, 4238.

traps 876.

vector-borne diseases 526, 2050, 3000, 3929, 5651.

***Psychodopygus*,**

taxonomy 77.

***Psychodopygus intermedius*,**

ecology, Brazil 9519.

- Psychomyiidae**,
larvae 2481.
new records, Malta 8058.
new species/new records, Papua New Guinea 154.
new subspecies, Yugoslavia/Italy 869.
- Psylla**,
taxonomy 5153.
- Psylla mali**,
cold hardiness eggs, seasonal variations 9241.
- Psylla pyri**,
population dynamics/spatial distribution, orchards, France
- Rhone Valley 1170.
- Psylla pyricola**,
chemical control 565.
pest resistance *Pyrus*, screening 5226.
- Psyllaephagus**,
new species, USSR 1509.
- Psyllaephagus pulvinatus**,
introduced species, Reunion I. 3031.
- Psyllidae**,
adaptations 9241.
biological control 3031.
biology/morphology 1084.
check lists, Neotropical Region 8077.
chemical control 565.
ecology 1950.
new species, Australia 7348.
new species, Greece 6649.
new species, Turkey 6648.
new species, USSR 7347.
new species/new records, Balearic Is. Majorca 7349.
pest resistance *Pyrus* 5226.
population dynamics 1170, 5609.
taxonomy 5153, 5154, 7350.
taxonomy/new records, Czechoslovakia/Yugoslavia/
Bulgaria (People's Rep.) 9073.
taxonomy/zoogeography 2200.
waxes 2627.
zoogeography 5773, 5782.
- Psylliodes**,
taxonomy 3316.
- Psylliodes brisouti**,
first record, Sweden 671.
- Psylliodes chrysocephala**,
chemical control 7898.
- Psylloidea**,
host specificity/host selection 2902.
zoogeography, Nearctic Region/Palaearctic Region 1358.
- Psylloides plana**,
pest status, *Solanum*, India 2085.
- Psyllotoxus griseocinctus**,
pest status, *Quercus*, Brazil Curitiba 1257.
- Ptenus**,
taxonomy 8255.
- Pterocallis alni**,
first record, Australia 2255.
first record, Chile 1496.
- Pterocheilus phaleratus**,
nectar robbing behaviour 1143.
- Pterocomma**,
new species/new records, China, People's Rep 86.
- Pterohelaeus darlingensis**,
larvae, orientation, environmental factors 6929.
- Pterolichidae**,
new species, Malagasy Rep. 5055.
taxonomy 5810.
- Pterolophia caudata**,
new subspecies, Japan 2313.
- Pteromalidae**,
antennae morphology 2494.
behaviour 6918.
biological control 535.
control/parasitism 1119.
new species, Argentina 94.
new species, Canada 5179.
new species, Hungary/Germany, Fed. Rep. 6650.
new species, Malaya/Solomon Is./Israel 7363.
nutrition 9206.
parasitism 2819, 2951, 6231, 9580.
parasitism/populations 6281.
sound production 1863.
taxonomy 5925, 9074.
- Pteromalus**,
new species, Canada 5179.
taxonomy 5925.
- Pteromalus puparum**,
parasitism *Papilio xuthus* 2951.
- Pteronarcella badia**,
toxicity insecticides 8484.
- Pteronarcys dorsata**,
toxicity/bioaccumulation endrin/methoxychlor 2122.
- Pteronemobius**,
cricket paralysis virus, monitoring, methodology 3424.
- Pteronidea**,
taxonomy/new species, Finland 109.
- Pterophoridae**,
immature stages 192.
new records, British Isles Hampshire 3218.
new records, British Isles Staffordshire 6488.
new records, Germany, Fed. Rep. 9737.
new records, Iberian Peninsula 3227.
pests 3096.
viviparity 1050.
water balance 2614.
- Pterophylla camellifolia**,
morphology/song, geographical variation, USA Iowa 7836.
- Pteropimyobia**,
new species, Papua New Guinea 758.
- Pteroptyx tener**,
flashing, courtship/mating behaviour 6917.
- Pterorthochaetes incertus**,
new records, India 776.
- Pterostichidae**,
chromosomes 9685.
new species, Malagasy Rep. 4207.
- Pterostichus**,
life cycles/population dynamics, Denmark 2794.
new species, Indonesia 8999.
new species, Spain 3302.
- Pterostichus melanarius**,
insecticides toxicity 2682.
- Pterostichus metallicus**,
new records, Italy Valle d'Aosta 6500.
- Pterostichus nigrta**,
ecological genetics, geographical variations 8868.
- Pterostichus oenotrius**,
first record, Switzerland 8027.
- Pterotarsus**,
new species/new records, Japan 7284.
- Pterotermes occidentis**,
abdomen morphology, sex differentiation 2474.
gut microflora 2830.
- Pterotricha**,
taxonomy 20.

- Pterygophorus**,
new species, Papua New Guinea 6665.
- Ptilia**,
taxonomy 8255.
- Ptiliidae**,
adaptations 4710.
ecology 4715.
evolution 7581.
taxonomy 5110, 9016.
- Ptilium**,
taxonomy 5110.
- Ptilogyne spectabilis**,
compound eyes ultrastructure, diel variations 1639.
- Ptilomyia pleuriseta**,
first record, USA Georgia 715.
- Ptilothrix bombiformis**,
nests, biology 1081.
- Ptinella**,
coexistence, niche overlap/environmental requirements 4715.
wings polymorphism/parthenogenesis, temperature effects 4710.
- Ptinidae**,
new species, China, People's Rep. 1459.
taxonomy 7292.
- Ptomaphagus**,
new species, Brazil/Sri Lanka 7271.
new species, Sarawak 6584.
- Ptomophagus californicus**,
inquilinism, *Formica haemorrhoidalis* nests 9448.
- Ptychoneura cylindrica**,
Rhopalum clavipes eggs on 1860.
- Ptycta kiboschoensis**,
taxonomy 2441.
- Pulicidae**,
chemical control 7057.
chromosomes 4887.
parasitism 522, 3923.
pathology 7557.
pesticide resistance 4514.
pests 7066.
rearing 3728, 3736.
sense organs 4366.
vector-borne diseases 6322.
- Punctifulvius**,
new genus, USSR 812.
- Pupae**,
Anthonomus grandis, 20-hydroxyecdysone levels 969.
Bombus 897.
coloration, environmental effects, *Pieris* 269.
Culicoides 184.
Geometridae 185.
Hylesia corevia 903.
juvenile hormones analogues effects on, *Tenebrio molitor* 9221.
Mamestra brassicae, weight, humidity effects on 333.
Mocis 187.
morphology/taxonomy, Olethreutini 893.
Omphrale fenestralis 1579.
Rhyacionia, collection methodology 170.
Stichotaenia fervida 894.
Stichotaenia quadrisignata 900.
taxonomy, Pyralidae 9097.
- Pupariation**,
caffeine/ascorbic acid effects on, *Musca domestica* 3652.
imaginal discs development effects on, *Drosophila* 2691.
- Pupation**,
Amblycerus 4331.
delay, population dynamics *Bupalus piniarius* 1158.
hormones regulation, *Laspeyresia pomonella* 1052.
potassium acetate effects on, *Xyleborus fornicatus* 2058.
temperature/humidity effects on, *Dermestes lardarius* 2732.
- Purines**,
metabolism, *Anopheles albimanus* 3544.
metabolism, *Drosophila melanogaster* larvae 3537.
metabolism, *Galleria mellonella* larvae 3539.
- Pycna**,
new species, Sao Tome 5149.
- Pycnoderes**,
new species, Brazil 5912.
- Pycnomerus terebrans**,
larvae 2482.
- Pycnoscelus**,
taxonomy 35.
- Pyemotidae**,
parasitism 8720.
- Pygiopsyllidae**,
pesticide resistance 4514.
- Pygmephorellus**,
taxonomy 8090.
- Pygmephoridae**,
new species, Chile 8102.
new species, Costa Rica/Mexico 4161.
- Pygostenini**,
phylogeny 3184.
- Pygostenus**,
new species, Ethiopian Region 5116.
phylogeny 3184.
- Pyralidae**,
amino acids 2569, 6790.
antifeedants 2885.
attractants 4441.
behaviour 4608, 6170, 6189, 7616, 7717, 7723, 9369.
behaviour/pest resistance 9476.
behaviour/pheromones 4591.
biogenic amines 6040.
biological control 1222, 3034, 3074, 7073, 8668.
biology 2809, 4611, 7684, 9422.
bionomics 8572.
check lists, German Dem. Rep. 7203, 7204.
chemical control 2061, 2094, 3038, 3106, 3960, 4819, 5706, 8746.
chitin inhibitors 1049.
coloration 981.
cultural control 2074, 3050.
development 1043, 4521, 4537, 4538, 4567, 5412, 5440, 6151, 6152, 6901, 7765, 9332.
developmental genetics 4881.
diapause 1824, 2704, 2709, 3626, 5402, 6128, 6130, 8512, 8528.
dispersal 6111.
eggs 189.
enzymes 2584, 3642, 4557, 8424.
evolutionary genetics 6445.
fat body 1676.
genetic control 3089.
genitalia 9304.
glands 274.
growth regulators 2728, 7605, 7608.
growth regulators/antifeedants 2720.
hatching 1803.
hormones 343, 9353.
host plants 7753, 9489.
immunology 5286.
insecticides effects on 922.

Pyralidae,(continued)

insecticides toxicity 2661.
 integrated control 7083.
 larvae 1566, 4333.
 larvae, gut, pH 2573.
 larvae/host plants 7440.
 life cycles 2922, 7694.
 life cycles/parasitism 8574.
 lipids 5311.
 mating 2730.
 metamorphosis 3662.
 migration 479.
 natural enemies 1996.
 new record, Finland 5012.
 new records, Germany, Fed. Rep. Baden-Wurttemberg 3224.
 new records, Germany, Fed.Rep. Baden 2231.
 new species, Japan 130, 861.
 new species, Pakistan 862.
 new species, Spain 7386.
 new species, USA 8276.
 new species India 4287.
 nutrition 7089, 8415.
 orientation 4597, 4606.
 osmoregulation 9244.
 parasitism 1926, 2843, 3762, 4670, 4674, 5543, 5547, 6161, 6227, 6233, 6984, 7733, 7735, 7736.
 pathology 5359, 6849, 7549, 9265, 9272.
 pathology/parasitism 280.
 pest control 1232.
 pest resistance *Abelmoschus esculentus* 1959.
 pest resistance *Lycopersicon esculentum* 7104.
 pest resistance *Solanum melongena* 4687.
 pest resistance *Sorghum* 1138, 2890.
 pest resistance *Zea mays* 2888, 3802, 6248, 7756, 8640.
 pesticide resistance 1762, 1780.
 pests 399, 544, 1241, 1244, 1259, 2095, 2878, 2898, 3096, 3850, 3870, 3988, 5506, 5702, 6368, 7692, 8312, 9612.
 phenology 359, 403.
 pheromones 1699, 1703, 2603, 2763, 3555, 4460, 7517, 8430.
 populations 6181, 7783.
 predation 402.
 proteins 958.
 rearing 881, 6722, 9121, 9128.
 repellents 3551.
 reproduction 4545, 4559, 8540, 8549.
 reproductive systems 7583, 7584.
 rhythms 4380.
 sampling 7782.
 sense organs 6017, 9184.
 sterile-release 5425, 6131.
 sterilization 4550, 8536.
 taxonomy 863, 5203, 8275, 9097, 9098.
 toxicity aflatoxins 297.
 toxicity *Bacillus thuringiensis* 1753, 7569.
 toxicity diflubenzuron 6102.
 toxicity insecticides 6093.
 toxicity methyl bromide 1768, 8471.
 toxicity plant extracts 2891.
 toxicity rose bengal 311.
 viruses 4485, 5357, 8461.
 water balance 2614.
***Pyrausta machaeralis*,**
 growth regulators, *Santalum album* plant extracts 2728.
 taxonomy 5203.
***Pyrausta sticticalis*,**
 diapause, photoperiod 8528.

Pyrethroids,

effects on nerves, *Musca domestica* 304.
 pesticide resistance central nervous system *Musca domestica* 293.
 toxicity *Anopheles quadrimaculatus* /*Psorophora columbiae* 528.
***Pyrgomorpha bispinosa*,**
 life cycles 2795.
***Pyrgomorpha conica*,**
 genitalia 8499.
 meiosis, chromosome aberrations 8822.
Pyrgomorphidae,
 behaviour 4589, 5446.
 chromosomes 4923, 8822.
 corpora allata 2634.
 feeding 1923.
 haemocytes 1653.
 host plants 5564.
 life cycles 2795, 5516.
 life cycles/coloration 6953.
 new species/revision, Australia 8291.
 ovary 1839.
 parasitism 1121.
 phenology 5514.
 reproductive systems 8497.
 types 4295.
***Pyrgus badachschanus*,**
 geographical distribution/new subspecies, Afghanistan 2430.
***Pyrilla perpusilla*,**
 eggs dispersion 1978.
 gut ultrastructure, water balance 948.
 temperature effects on hatching 1806.
Pyroglyphidae,
 immunology 4790, 4791.
***Pyrota insulata*,**
 development 3741.
***Pyrrhalta*,**
 genitalia 2491.
***Pyrrhalta luteola*,**
 herbivory *Ulmus parvifolia* , factors affecting 5556.
***Pyrrhodium sanguineum*,**
 first record, British Isles Wales Monmouthshire 654.
Pyrrhocoridae,
 chemosterilants 2738, 3490, 3633.
 deterrents 8636.
 development 2887, 6887.
 development/reproduction 5409.
 digestion/excretion 8394.
 digestive systems 9194.
 embryogenesis 7589.
 enzymes 2577, 3506, 6800.
 feeding 422.
 growth regulators 4547.
 hormones 1693.
 life cycles 2799, 6194.
 lipids, embryogenesis 1853.
 mating 4554.
 moulting 1725.
 neurosecretion 8314.
 pheromones 1701, 1722.
 populations 5596, 7816.
 radiosensitivity 5427.
 reproduction/development 6888.
 reproduction/neurosecretion 6891.
 sense organs 7478.
 sterility 3176.
 taxonomy 9064.

Pyrhocoridae, (continued)

toxicity insecticides 1776.
toxicity plant extracts 4696.
Pyrrhocoris apterus,
embryogenesis 7589.
juvenile hormones activity *Ocimum basilicum* plant extracts 2887.

Pyrtaula,
taxonomy 9045.

Pythidae,
cold hardness 5338.
temperature tolerance 2616.

Pytho americanus,
cold hardness, physiology 5338.

Pytho depressus,
temperature tolerance, role glycerol 2616.

Quadraceps,
taxonomy 4291.

Quadraspidotus perniciosus,
bionomics 8576.
pest control/phenology 8589.
phenology, environmental factors 5629.
response sex pheromone 266.

Quadricalcarifera,
taxonomy 8271.

Quasithesma,
new species, Australia 7354.

Quatrobella,
new genus, Nearctic Region 5801.

Quedius,
new species, Sweden 7267.

Quercusia quercus,
abundance/migration, British Isles Surrey 1992.

Quesada gigas,
habitats/phenology, Costa Rica 384.

Rabindrodiplosis,
new species, India 1471.

Rachiceridae,
types 4221.

Rachiplusia nu,
biological control/chemical control 2079.

Radfordia zibethicalis,
first record, USA Indiana 7219.

Radiation,
effects on histology reproductive systems, *Dacus dorsalis* 2697.

effects on mating, *Culex tarsalis* 7622.
electric fields/magnetic fields effects on development/oviposition, *iK Alotermes flavicollis* 2726.
flight, take-off, *Schistocerca gregaria* 6751.
induction chromosomes loss, *Lucilia cuprina* 8851.
magnetic fields effects on development/reproduction, Insecta 2725.

radioactive labelling, nuclides, *Acheta domestica* 1686.
radioresistance, genes, *Drosophila melanogaster* 4901.
radiosensitivity, age, *Drosophila melanogaster* 9296.
sterilization *Anthonomus grandis* 5404.

Radiation (γ),
+ diflubenzuron, effects on reproduction, *Anthonomus grandis* 9322.
chromosome aberrations, *Philosamia ricini* 2723.

dispersal *Dacus cucurbitae* 7781.

Drosophila melanogaster, mutagenesis 2707.
effects on behaviour, *Glossina morsitans* 1810.
effects on competitiveness, *Anthonomus grandis* 2059.
effects on development/reproduction, *Chilo partellus* 6152.
effects on development/reproduction, *Sophrorhinus gbanjaensis* 5415.
effects on fertility/mating, *Culex tarsalis* 1046.
effects on fertility/sex ratios, *Ephestia cautella* 1041.
effects on flight activity, *Anastrepha suspensa* 9392.
effects on longevity/oviposition, *Anthonomus grandis* 3635.
effects on mating, *Culex tarsalis* 9362.
effects on mating behaviour, *Cydia pomonella* 2759.
effects on mortality/sterilization *Tribolium castaneum* 2731.
effects on reproduction, *Pectinophora gossypiella* 9368.
effects on spermatzoa fertility, *Cydia pomonella* 3651.
effects on survival/fertility, *Argas arboreus* 1826.
lethal dose, *Oryzaephilus surinamensis* /*Tribolium castaneum* 326.

mutagenesis, *Drosophila melanogaster* 3632.
mutation, *Drosophila melanogaster* 5740.
pest control *Tribolium castaneum* 3098.
radiosensitivity, sex differences, *Henosepilachna vigintioctopunctata* 6899.
radiosensitivity/sterilization, *Dysdercus koenigii* 5427.
sensitivity, *Plodia interpunctella* 6131.
sterilization, *Anthonomus grandis* 6132.
sterilization, effects on longevity, *Drosophila melanogaster* 7620.

sterilization, heritability, *Plodia interpunctella* 8536.
sterilization *Anthonomus grandis* 9340.
sterilization *Plodia interpunctella* 4550.

Radiation (electromagnetic),
effects on *Blattella germanica* /*Incisitermes minor* /*Reticulitermes* 5469.

Radiation (i.r.),
perception, *Melanophila acuminata* 932.

Radiation (ionizing),
effects on *Armadillidium vulgare* 6153.

Radiation (neutron),
chromosome aberrations, *Delia antiqua* 5735.
mutagenesis, *Drosophila melanogaster* 3655.

Radiation (u.v.),
avoidance behaviour, *Tetranychus urticae* 4607.
effects on development, *Bombyx mori* eggs 3640.
effects on development, *Smittia* embryos 8516.
effects on embryogenesis, *Drosophila* 2741.
mRNA inactivation, *Smittia* embryos 4879.

Radiation (X),
chromosomes inversions, *Anopheles albimanus* 7965.
Drosophila, mutagenesis 334.
effects on mutagens sensitive mutant, *Drosophila melanogaster* 1048.

effects on proteins biosynthesis, *Bombyx mori* 6148.
mutagenesis, *Delia antiqua* 8841.

mutagenesis, *Drosophila melanogaster* 3655, 4551, 4928.
mutagenesis, *Drosophila melanogaster*, sex differences 1030.
sterilization, *Anopheles pharoensis* 6157.

Raillieidae,
new species, Mexico 8968.

Raillietia,
new species, Australia 8094.
new species, Mexico 8968.

Rainfall,
effects on flight activity, *Phyllophaga crinita* 1876.
effects on hatching, *Aedes* eggs 1827.

- Rakaia**,
new species, Australia 5826.
- Ramona**,
taxonomy 9056.
- Ramonda**,
new species, France 806.
- Ramonella**,
taxonomy 9056.
- Ramusella**,
taxonomy 5805.
- Ramusella puertomontensis**,
first record, USSR 9.
- Ranatra linearis**,
moulting behaviour 2689.
predatory behaviour, development 421.
- Ransonia**,
new genus, Malagasy Rep. 5074.
- Rapala manea**,
pest status, first record, *Mangifera indica* 6354.
- Raphidia**,
new species, USSR 3405.
- Raphidia flavipes**,
ovary, anatomy 3618.
- Raphidiidae**,
new species, USSR 3405.
reproductive systems 3618.
- Raphidophoridae**,
new records, Italy Bergamasco 709.
- Raphignathidae**,
new species/new records, Egypt, Arab Rep. 7254.
- Raphignathus**,
new species/first record, Egypt, Arab Rep. 7254.
- Rapisma**,
taxonomy 6688.
- Rapismatidae**,
taxonomy 6688.
- Raptobaeis orientalis**,
larvae, morphology/feeding 2488.
- Rearing**,
adaptations, *Cydia pomonella* 315.
Agria tau 1104.
Amathes c-nigrum, artificial diets 171.
Anopheles pseudopunctipennis 1865.
Aphis citricola 178.
artificial diets, Lepidoptera 166.
artificial diets, *Pieris brassicae* 1557.
artificial diets, *Solenopsis invicta* 176.
artificial diets, *Spodoptera littoralis* 3433.
artificial diets, *Trichogramma* 160.
Bombus 169.
Bombycidae, review 3088.
Brachymeria intermedia 1539.
breeding *Bombyx mori* 585.
Carausius morosus 2778.
Chelonus blackburni 2843.
Cnaphalocrocis medinalis 881.
Culicoides variipennis 1887.
Culicoides variipennis, methodology 4326.
Dacus oleae 2737.
diets, *Dacus dorsalis* 175.
diets, *Exeristes roborator* 1659.
Dinorhynchus dybowskyi 1888.
Dipluriella loti 1103.
effects on performance, *Lymantria dispar* 5406.
equipment, diets, *Heliothis* 2451.
equipment, *Solenopsis* 3434.
food effects on development, *Myzus persicae* 236.
Glossina palpalis 1662, 1814.
Heliothis armigera, methodology 3428.
Hybomitra lasiophthalma 3744.
Itopectis conquisitor, artificial diets 241.
Jalmenus evagoras + *Iridomyrmex anceps* 6712.
Lobesia botrana, artificial diets 1554.
Locusta migratoria 1544.
mass rearing, *Anopheles albimanus* males 2039.
mass rearing *Anopheles albimanus* 1542.
mass rearing *Anopheles albimanus*, methodology 1550, 1910.
mass rearing *Sesamia calamistis* 2462.
methodology, *Anthonomus grandis* 3429.
Parnalium cerisy 9143.
Phlebotomus 3625.
Procris subsolana 3716.
Spilopsyllus cuniculi 3728.
Tabanus nigrovittatus 5235.
Thanasimus formicarius 1540.
Trichoplusia ni, artificial diets 2448.
Xyleborus affinis 2454.
- Recombination**,
meiosis, role X chromosome, *Drosophila melanogaster* 611.
mitosis, effects on mosaicism/gynandromorphism, *Musca domestica* 2179.
relationship sterility, *Drosophila melanogaster* 1825.
- Reduviidae**,
behaviour 9425.
biology 6203.
chemical control 7861.
chromosomes 5738.
cuticle 1601, 2504.
enzymes 1684, 4407, 4478, 7492, 9207.
feeding 2461, 7065, 9190.
genitalia 5251.
glands 4527.
hatching 3629.
Malpighian tubules 2576.
meiosis 2154.
metamorphosis 2716.
microscopy 1596.
moulting 2521.
neurosecretion 3566.
new species, Ghana 8223.
nucleic acids 7126.
parasitism 447.
pests 5483.
populations 1200, 9512, 9535.
proteins 6809, 7530.
repellents 267.
reproduction 3672, 4565, 8498, 8537.
reproduction physiology 3665.
sense organs 1631.
taxonomy 85.
vector-borne diseases 516, 3007, 4796, 9571.
- Regeneration**,
+ amputation, leg, effects on development, *Helleria brevicornis* 8508.
imaginal discs, *Drosophila* 4531.
integument, *Blaberus craniifer* 1791.
leg, *Blaberus craniifer* 9314.
leg, effects on ecdysones levels, *Acheta domestica* 8509.
leg, *Teleogryllus commodus* 7592.
mathematical models, *Drosophila* 1788.
nerves, electrical properties, *Periplaneta americana* 6011.
neuromuscular junctions, leg, Blattodea 1792.
potential, imaginal discs wings, *Diptera* 7591.

Regeneration,(continued)

- regulation, *Drosophila* 9315.
wings imaginal discs, *Drosophila* 9312.
- Reicheia**,
taxonomy 7269.
- Renia**,
larvae 8333.
- Reo**,
new genus, Kenya 5070.
- Repellents**,
Aedes aegypti 5331, 9227.
Aedes aegypti /*Anopheles* 4450.
antifeedants, Coleoptera pests *Malus* 6357.
antifeedants, control *Rhynptia* 5677.
antifeedants, *Melaleuca leucadendron* plant chemicals,
Lymantria dispar 6057.
antifeedants, *Plagiochila* plant chemicals, *Spodoptera*
exempta 4446.
antifeedants synergists insecticides, *Spodoptera littoralis*
9280.
bioassays, Simuliidae 5329.
Brassica napus plant extracts, *Tribolium* 6059.
characterization, *Blaps* 2610.
Culicoides 9236.
deet/M-1960, control *Amblyomma americanum* 3008.
diethyltoluamide, stored products Insecta 3551.
Diptera pests, cattle, Germany, Fed. Rep. Bavaria Allgau
Alps 2025.
feeding deterrents, sense organs, *Spodoptera exempta* 8375.
Hymenaea resins, *Spodoptera exigua* 7766.
Insecta + extracts, *Amitermes evuncifer* 264.
N-tolulyl piperidine, *Aedes aegypti* 7512.
NRDC-161, *Anthonomus grandis* 1756.
oleic acid/*Pinus* oils, *Gnathotrichus* /*Trypodendron lineatum*
263.
oviposition deterrents, *Dacus oleae* 7518.
Panstrongylus megistus 267.
pesticides, *Apis mellifera* 7099.
phenols, *Tribolium confusum* 265.
- Reproduction**,
adaptations, rearing, *Cydia pomonella* 315.
age relationship fecundity, *Culex salinarius* 7641.
alary dimorphism, males, *Laccifer lacca* 5436.
Aphidius nigripes 9452.
artificial insemination, workers effects on, *Apis mellifera*
9303.
autogeny/anautogeny, *Culex pipiens* 7575.
Belostoma 9410.
benzylphenols effects on, *Musca domestica* 9330.
brain hormones, *Aedes aegypti* 5433.
caste determination, *Pheidole pallidula* 9301.
Coptopteryx viridis 373.
copulation, *Culicoides melleus* 8489, 8539.
determination oviposition rates, *Tribolium castaneum* 7428.
diapause, *Hyperodes bonariensis* 3789.
diapause, *Oedipoda miniata* 5403.
diets effects on, *Glossina palpalis* 6885.
diets effects on, *Tribolium castaneum* 6144.
diflubenzuron + radiation (γ) effects on, *Anthonomus grandis*
9322.
diflubenzuron effects on, *Oncopeltus fasciatus* 8525.
ecdysones levels, *Leptinotarsa decemlineata* 7633.
ecdysones/oogenesis, *Aedes atropalpus* x *Aedes egypticus*
5439.
effects on metabolic rate, *Alaskozetes antarcticus* 251.
egg production, nutrition effects on, *Rhodnius prolixus* 3665.
egg shells secretion, *Schistocerca gregaria* 9358.
endocrinology, *Periplaneta americana* 6912.
environmental factors, *Agrotis ipsilon* 4546.
environmental factors, *Dermatophagoides pteronyssinus*
6143.
environmental factors, *Dysdercus koenigii* 6891.
environmental factors, *Gastrimargus transversus* 6895.
environmental factors, *Microplitis rufigiventris* 5411.
environmental factors, *Phalaenoides glycine* 8533.
environmental factors, *Phthorimaea operculella* 6113.
environmental factors, radiation (γ), *Galleria mellonella*
4545.
esterase activity, genes, *Drosophila melanogaster* 8550.
fat body histochemistry, *Nauphoeta cinerea* 6804.
fecundity, Araneae 3432.
fecundity, *Dirofilaria immitis* infection effects on, *Aedes*
trivittatus 7546.
fecundity, nutrition effects on, *Syrphus corollae* 6163.
fecundity, *Prosimulium mixtum* /*Simulium vittatum* 9574.
fecundity, proteinase inhibitors effects on 7489.
fecundity, sulphur dioxide effects on, *Aphis fabae* 7086.
fecundity, vitamin E effects on, *Chilo partellus* 8415.
fecundity/mating behaviour, *Megaselia halterata* 4518.
fecundity/mating/oogenesis, *Scathophaga* 4524.
fecundity/oviposition, *Acanthoscelides obtectus* 6883.
feeding effects on, *Glossina pallidipes* 7602.
fertility, males, female-sterile mutant, *Drosophila*
melanogaster 6426.
fertility/sex ratios, genes effects on, *Aedes aegypti* 8802.
fertilization/longevity/parthenogenesis, *Boophilus* 2692.
fertilization/mating *Blattella germania* 5393.
Fiorinia theae 3688.
food availability effects on, *Oncopeltus fasciatus* 4389.
food plants effects on, *Dysdercus cingulatus* 5409.
food plants effects on, *Heliothis armigera* 2713.
Glycine max effects on, *Anticarsia gemmatilis* 8582.
gonotrophic cycles, *Aedes* /*Coquillettidia perturbans* 5438.
gonotrophic cycles, *Anopheles culicifacies* 7635.
gonotrophic cycles, *Culex nigripalpus* 6909.
gonotrophic cycles, *Culex tritaeniorhynchus* 1836.
gonotrophic cycles, juvenile hormones effects on, *Musca*
domestica 6880.
gonotrophic cycles, seasonal variations, *Anopheles* 9346.
gonotrophic cycles, *Simulium ochraceum* 7027.
gonotrophic cycles/mating, *Aedes aegypti* 6913.
gonotrophic cycles, *Simulium* 6116.
growth regulators effects on, *Sitophilus oryzae* 5405.
gut enzymes activity, *Dysdercus koenigii* 2577.
host plants effects on, Aphididae 1150.
host plants effects on, *Pityogenes chalcographus* 7776.
host plants effects on, *Tetranychus urticae* 6247.
host plants effects on survival/fecundity, *Zonocerus*
variegatus 5564.
host plants/feeding site selection effects on, *Rhopalosiphum*
padi 9472.
host plants nutrition effects on, *Sitobion avenae* 4690.
hosts age/population density effects on, *Chelonis blackburni*
5543.
hosts drugs effects on, *Glossina palpalis* 2989.
hosts/temperature effects on, *Dermacentor variabilis* 2721.
Hyalomma marginatum 2816.
insecticides effects on, *Bombyx mori* 6097.
insecticides effects on, *Tetranychus urticae* 4825.
invertebrates, book 5039.
juvenile hormones effects on, *Plutella xylostella* 9325.
juvenile hormones/oogenesis, starvation, *Schistocerca*
gregaria 4566.
juvenile hormones/vitellogenesis regulation, *Aedes aegypti*

Reproduction,(continued)

6906.
 larviposition, photoperiod effects on, *Myzus persicae* 6154.
 lipids metabolism, diets effects on, *Glossina morsitans* 1813.
 management-effects on, *Apis mellifera* 9630.
 mating, radiation effects on, *Culex tarsalis* 7622.
 mating behaviour/competitiveness, chromosome aberrations effects on, *Anopheles culicifacies* 8513.
 mating competitiveness, chromosome aberrations effects on, *Culex tritaeniorhynchus* 8523.
 mating/fertilization, *Phidippus johnsoni* 5453.
 methoprene effects on, *Reticulitermes flavipes* 4504.
 nutrition effects on, *Paracentrobia andoi* 2735.
 nutritional requirements, *Dacus oleae* 3503.
 oocytes degeneration, Gelechiidae/Pyrilidae 4559.
 oogenesis, *Clitumnus extradentatus* 5443.
 oogenesis, *Cupiennius salei* / *Tegenaria derhami* 6914.
 oogenesis, ecdysones, *Schistocerca gregaria* 8543.
 oogenesis, *Ephestia kuehniella* 8549.
 oogenesis, *Ephestia kuehniella* 8540.
 oogenesis, ethylurea/sodium nitrate effects on, *Habrobracon* 4541.
 oogenesis, geographical variations, *Wyeomyia smithii* 9357.
 oogenesis, *Hanseniella nivea* 8551.
 oogenesis, hormones, *Aedes aegypti* 5432.
 oogenesis, hormones, *Panstrongylus megistus* 3672.
 oogenesis, hormones effects on, autogeny, *Aedes atropalpus* 7612.
 oogenesis, juvenile hormones, *Leucophaea maderae* 4570, 4576.
 oogenesis, *Leucophaea maderae* 9342.
 oogenesis, nutrition effects on 4573.
 oogenesis, nutrition effects on, *Glossina palpalis* 7627.
 oogenesis, photoperiod/temperature effects, *Eysarcoris ventralis* 7606.
 oogenesis, *Rhodnius prolixus* 8537.
 oogenesis, ribonucleotides metabolism, *Coelopa frigida* 7640.
 oogenesis, starvation effects on, *Periplaneta americana* 8408.
 oogenesis, *Stomoxys calcitrans* 5442.
 oogenesis, *Tetranychus urticae* 7586, 8501.
 oogenesis, *Tribolium castaneum* 4575.
 oogenesis/oviposition, *Heliconius* 5437.
 oogenesis/oviposition, hormones, *Rhodnius prolixus* 4565.
 oogenesis/parous state, *Culex quinquefasciatus* 8602.
 oogenesis-reabsorption, *Musca domestica* 4561.
 oogenesis-resorption, starvation, *Oxya japonica* 7496.
Orchesella cincta 7824.
Ornithodoros amblus 9402.
 ovary, altozar effects on, *Coreya cephalonica* 7605.
 overwintering, *Culex* 7719.
 oviposition, *Boophilus microplus* 9355.
 oviposition, diapause eggs, *Gryllus firmus* 7596.
 oviposition, diets, Phytoseiidae 4520.
 oviposition, environmental factors, *Eotetranychus hicoriae* 7614.
 oviposition, environmental factors, *Sitona hispidulus* 5413.
 oviposition, temperature effects, *Hemerobius stigma* 6142.
 oviposition, thiourea effects on, *Callosobruchus chinensis* 6156.
 oviposition/hatching, temperature effects, *Culex* 7607.
 oviposition regulation, nerves, *Carausius morosus* 4572.
 parous state, *Hybomitra lasiophthalma* populations, USA Texas 346.
 parthenogenesis, *Brevipalpus obovatus* parthenogenesis, *Brevipalpus obovatus* 251.
 parthenogenesis, *Callirhopalus bifasciatus* 9679.
 parthenogenesis, *Cataglyphis cursor* 9356.
 parthenogenesis, chromosomes, Tenuipalpidae 4891.
 parthenogenesis, diploids *Catapionus gracilicornis* 7951.
 parthenogenesis, enzyme polymorphism, *Acyrtosiphon pisum* 8875.
 parthenogenesis, evolution, *Warramaba virgo* 8488.
 parthenogenesis, *Porohalacarus alpinus* 4992.
 parthenogenesis, *Selenia bilunaria* 317.
 parthenogenesis, temperature effects, *Ptinella* 4710.
 parthenogenesis, *Tenuipalpus inophylli* 5813.
 photoperiod/temperature effects on, *Locusta migratoria* 2719.
 polymorphism, *Schistocerca gregaria* 8493.
 population density/dispersal, *Cavelerius saccharivorus* 1167.
 population density effects on, interspecific interactions, *Drosophila* 4741.
 population genetics, *Tetranychus urticae* 3175.
 precocene effects on, *Dysdercus similis* 6888.
Pristomerus vulnerator 1930.
 productivity *Drosophila* , nutrition, *Candida* 1022.
Pseudaulacaspis pentagona 8495.
 radiation (γ) effects on, *Chilo partellus* 6152.
 radiation (γ) effects on, *Pectinophora gossypiella* 9368.
 radiosensitivity, *Dysdercus koenigii* 5427.
 radiosensitivity, *Plodia interpunctella* 6131.
 relationship longevity, *Melanoplus sanguinipes* 8592.
 reproductive isolation, *Culex quinquefasciatus* 8891.
 reproductive isolation, *Drosophila mojavensis* 2195.
 reproductive isolation, *Pityogenes chalcographus* 8887.
 reproductive status, *Calopteryx* 2913.
 reproductive status, enzymes, *Aedes aegypti* 3661.
 reproductive status/biting behaviour, *Stomoxys calcitrans* 5580.
 reproductive strategy, *Aphis fabae* 5394.
 reproductive strategy, *Solenopsis invicta* 9302.
 reproductive success, chromosome aberrations effects on, *Tetranychus urticae* 8526.
 reproductive success, sterile-release, *Anopheles albimanus* 9339.
 Rhinotermitidae, environmental effects 2725.
 salts effects on, *Sitophilus granarius* 1800.
 semen storage, effects on fertility, *Apis mellifera* 9299.
 sex determination, photoperiod effects on, *Myzus persicae* 7629.
 sex ratios/population density effects on, *Delia antiqua* 5410.
 sexual receptivity, ecdysones, Culicidae 4578.
 sexual selection/pair bond, *Chauliognathus pennsylvanicus* 4098.
Simulium jenningsi 4523.
Sitona humeralis 7700.
 spermatogenesis, *Boophilus* 7646.
 spermatogenesis, chromosomes pairing, intraspecific hybridization, *Caledia captiva* 4911.
 spermatogenesis, *Cydia pomonella* 7630.
 spermatogenesis, *Heliothis* hybrids 4577.
 spermatogenesis, hormones, *Actias selene* 8547.
 spermatogenesis, segregation distortion chromosomes, *Drosophila melanogaster* 7649.
 spermatogenesis, sex ratio mutants, *Drosophila simulans* 7970.
 spermatogenesis, thiourea effects on, *Sarcophaga ruficornis* 7610.
 spermatogenesis/spermatozoa, Acari 8542.
 spermatogenesis/spermatozoa, Anactinotrichida 8541.
 spermatozoa, *Heliothis* hybrids 7587.
 spermatozoa, mosaicism, *Apis mellifera* 4571.
 spermatozoa anatomy, *Eusimonia mirabilis* 7582.
 spermatozoa anatomy/phylogeny, *Zootermopsis nevadensis*

Reproduction,(continued)

7645.
starvation effects on, *Sitophilus granarius* 1821.
sterility, hybrids, *Anopheles culicifacies* 9698.
sterility, male sterility, role X chromosome 4914.
sterilization, radiation (γ), effects on longevity, *Drosophila melanogaster* 7620.
stimulation, grain, *Acanthoscelides obtectus* 4593.
temperature effects, *Cydia pomonella* 7621.
temperature effects, *Drepanosiphum* 7609.
temperature effects, *Hypoosoter exiguae* 9451.
temperature effects on, *Stomoxys calcitrans* 330.
transmission (transovarial), eastern equine encephalitis virus, *Culiseta melanura* 8706.
transmission (transovarial), San Angelo virus, *Aedes albopictus* 9268.
vitellogenesis, *Aedes aegypti* / *Culex nigripalpus* 4563.
vitellogenesis, *Aspongopus obscurus* 4558.
vitellogenesis, *Carasius morosus* 8546.
vitellogenesis, *Coccinella septempunctata* 4581.
vitellogenesis, *Drosophila melanogaster* 3677.
vitellogenesis, ecdysones regulation, *Aedes aegypti* 6162.
vitellogenesis, endocrinology, *Aedes atropalpus* 7631.
vitellogenesis, farnesol effects on, *Labidura riparia* 8522.
vitellogenesis, follicles proteins, *Locusta migratoria* 7639.
vitellogenesis, hormones, *Oncopeltus fasciatus* 5434.
vitellogenesis, Insecta, review 6907.
vitellogenesis, larvae nutrition effects on, *Musca domestica* 6133.
vitellogenesis, *Lepismachilis targionii* 5444.
vitellogenesis, nutrition effects on, *Musca domestica* 6884.
vitellogenesis, precocene effects on, *Locusta migratoria* 7623.
vitellogenesis, protein biosynthesis, *Carasius morosus* 9359.
vitellogenesis, protein biosynthesis, *Drosophila melanogaster* 9361.
vitellogenesis/juvenile hormones activity, *Aedes aegypti* 6165.
vitellogenin, metabolism/structure, *Periplaneta americana* 4300.
yolk glycoproteins, bound nucleosides, *Euscelis* / *Smittia* 7644.
yolk proteins, *Acheta domestica* 8552.
yolk proteins biosynthesis, ovary, *Drosophila* 6167.
Reproductive behaviour,
pheromones 9238.
Reproductive systems,
accessory gland, *Oxya velox* 8500.
accessory gland, *Rhodnius prolixus* 8498.
accessory gland, ultrastructure, *Rhodnius prolixus* 4527.
amino acids, *Orthetrum sabina* 6802.
anatomy, *Dorylus* 3617.
anatomy, *Eukoebelia brevitarsus* / *Apocrypta westwoodi* 2698.
anatomy, Leptophlebiidae larvae 206.
anatomy, *Riazocoris nigra* 1563.
Arhopalus ferus 2696.
Bruchidae/Chrysomelidae females 1785.
Ceratitis capitata 1858.
Chaoborus flavicans 4519.
Culicoides melleus 8489.
evolution, *Bambara* 7581.
fatty acids, *Acheta domestica* / *Gryllus* 6791.
functional morphology, *Tetranychus urticae* 8501.
genital tract/ovipositor, Tenebrionidae 6458.
genitalia, Acrididae 8499.
genitalia, *Allodiplosis crassus* 8178.
genitalia, *Anthaxia* 8116.
genitalia, *Chrysocoris stollii* 8504.
genitalia, *Cryptocephalus cruciger* 8908.
genitalia, Geometridae females 6121.
genitalia, *Gromphadorhina brunneri* 8503.
genitalia, Meloidae 8502.
genitalia, muscles, *Aedes aegypti* 6743.
genitalia, phylogeny, *Hypsauchenia subfusca* / *Leptobelus* 9144.
genitalia, Pyraustinae 9304.
genitalia, *Sialis* 8073.
genitalia, Tachinidae 6744.
genitalia, *Triatoma* 5251.
genitalia *Panorpa caucasica* 8286.
gonads, biometrics, *Gastrimargus transversus* 1023.
gonads development, temperature effects, *Culex tarsalis* 7611.
Insecta, review 323, 1025.
Myllocerus maculosus 3619.
oocytes, *Haematopinus tuberculatus* / *Lepisma saccharina* / *Rhizopertha dominica* 8505.
ootheca, *Ectobius* 6874.
Orthoptera 8497.
ovarioles, ultrastructure, *Aspidiotus hederae* 7588.
ovary, anatomy, *Raphidia flavipes* 3618.
ovary, development, nutrition, *Chrysopa perla* 6881.
ovary, histopathology/biochemistry, chemosterilants effects on, *Periplaneta americana* 6892.
ovary, *Oligosporidium arachnicolum* infection, *Xysticus cambridgei* 6088.
ovary development, autogeny, *Lucilia cuprina* 7634.
ovary development, seasonal variations, *Culex nigripalpus* 6909.
oviduct, glands, *Lipeurus lawrensis* 322.
ovipositor + glands, *Microplitis croceipes* 5395.
ovipositor, Insecta 7585.
ovipositor glands, *Euxoa* 9306.
Phiale 25.
Plodia interpunctella 7583.
reproductive organs, *Tapinocyba insecta* 9305.
spermatocytes, chromosomes, *Drosophila virilis* 7952.
spermatozoa, Cecidomyiidae 6120.
testis, proteins biosynthesis, *Schistocerca gregaria* 7638.
testis, ultrastructure, *Ephestia kuehniella* 7584.
testis anatomy, *Eusimonia mirabilis* 7582.
Tetranychus urticae 7586.
ultrastructure, *Bathyplectes* 4526.
ultrastructure/radiation effects on, *Dacus dorsalis* 2697.
Resistance,
+ cross-resistance, insecticides, *Culex quinquefasciatus* 6855.
acaricides, *Boophilus decoloratus* 5382.
acaricides, *Panonychus ulmi* 7562.
acaricides, *Rhipicephalus appendiculatus* 6094.
anaesthetics, genes, *Drosophila melanogaster* 9292.
apholate, bionomics *Musca domestica* 6114.
carbamates, *Nephotettix cincticeps* 4508.
DDT, ATPase (Ca dependent), *Blattella germanica* 4509.
DDT, Siphonaptera 8480.
dicofol, fitness, *Panonychus citri* 4510.
dieldrin, *Lucilia cuprina* 8473.
dieldrin, translocations, male sterility, pest control, *Anopheles culicifacies* 9680.
diflubenzuron, *Musca domestica* 7568.
esterase enzyme polymorphism, *Culex* 8309.
fenitrothion, *Anopheles culicifacies* 8472.
insecticides, *Anopheles* 6868.

Resistance,(continued)

insecticides, *Anopheles albimanus* / *Culex* 8485.
 insecticides, *Anopheles culicifacies* 5377.
 insecticides, *Anopheles maculipennis*, Iran 7573.
 insecticides, *Culex pipiens* 4513, 6859.
 insecticides, Culicidae 5378.
 insecticides, *Musca domestica* 7572.
 insecticides (organophosphorus), selection, *Drosophila melanogaster* 8870.
 insecticides, review, Insecta 8751.
 insecticides, *Rhipicephalus appendiculatus* 6101.
 insecticides, role epoxide hydrase, *Tribolium castaneum* 9205.
 malathion, *Aedes aegypti* 6862.
 malathion, *Anopheles stephensi*, Pakistan 6863.
 malathion, *Culex quinquefasciatus* 6864.
 malathion, *Tribolium castaneum* 4505.
 methoprene, *Musca domestica* 8705.
 pesticides (organophosphorus), *Culex quinquefasciatus* 6866.
 pesticides (organophosphorus), geographical variations, *Culex pipiens* 7570.
 phosphine, selection, *Tribolium castaneum* 8475.
 pirimicarb, *Aphis nasturtii* 6100.
 temephos, *Anopheles albimanus* 5643.
 temephos, *Simulium*, Ivory Coast 6095.
Respiration,
 cellular, *Pieris brassicae* larvae 3522.
 diflubenzuron effects on, *Spodoptera littoralis* eggs 2678.
 insecticides effects on, *Aita laevigata* 1017.
 metabolic rate, *Alaskozetes antarcticus* 251.
 oxygen consumption, flight, Sphingidae/Saturniidae 8417.
 oxygen consumption, metamorphosis, *Tenebrio molitor* 2749.
 relationship burrowing behaviour, *Geolycosa domifex* 1647.
 ventilation, metathoracic ganglion nerves activity, *Locusta migratoria* / *Schistocerca gregaria* 1620.
Respiratory systems,
 anatomy, Leptophlebiidae larvae 206.
 anatomy, Parasitidae 6779.
 anatomy, *Solenopsis invicta* larvae 1591.
 carbon dioxide production, measuring techniques, *Ctenicera aeripennis* 5974.
 development, pupae *Calliphora vomitoria* 2695.
 erythrocrucorin, *Chironomus thummi* 7480, 7481, 7482.
 functional morphology, *Chironomus* 7483.
 respiration, *Fucellia capensis* 9397.
Tessaratomia javanica 1648, 1649.
 trachea, central nervous system, *Locusta* 230.
 trachea, Chironomidae larvae 2558.
 trachea volume, *Hyalophora cecropia* 2559.
 ventilation, environmental factors, *Nauphoeta cinerea* 5282.
Reticulitermes,
 interspecific hybridization 4079.
 new species, China, People's Rep. 2416.
 production soldiers 8784.
 radiation (electromagnetic) effects on 5469.
 trail pheromone, trail following behaviour *Trichopsenius depressus* / *Xenistusa hexagonalis*, termitophily 427.
Reticulitermes flaviceps,
 caste differentiation, ZR515 effects on 5418.
Reticulitermes flavipes,
 cuticle hydrocarbons, mimicry, *Trichopsenius frosti* 5539.
 gut microflora 1925.
 reproduction, methoprene effects on 4504.
 toxicity/effects on development diflubenzuron 7615.
Reticulitermes lucifugus,
 behaviour 4649.

chromosomes, complex association 4091.

Retinitus,

new genus, fossils, Cretaceous, USSR 1469.

Reunion I.,

biological control *Trioza erythrae*, *Tetrastichus dryi* 3031.

Rhabdophaga,

parasitism 2410.

taxonomy/galls, *Salix* 3342.

Rhachitreagra,

taxonomy 6691.

Rhachistoneura,

new genus, Balearic Is. Majorca 7349.

Rhacochelifer corcyrensis,

new records, Greece 6563.

Rhacochelifer spiniger,

first record, Canary Is. 2293.

Rhacoclets lusitanica,

first record, Spain 5959.

Rhaebus,

taxonomy 8114.

Rhagidiidae,

taxonomy 5056.

Rhagionidae,

check lists, Netherlands 5004.

new species, Morocco 1485.

Rhagoletis,

glands, sex differences 7534.

Rhagoletis cerasi,

chemical control, review 7884.

control, oviposition deterrents 7901.

oviposition site selection 7651.

Rhagoletis completa,

nutrition, role microflora 7495.

Rhagoletis pomonella,

chemical control 6346.

chemical control/toxicity insecticides 9619.

mating behaviour 7659.

pheromones, oviposition deterrents 5333.

Rosa rugosa host plants new records 7762.

toxicity isothiocyanates 1004.

traps 2450.

Rhagonycha,

new species, Yugoslavia 3299.

Rhagovelia,

new species, Haiti/taxonomy 4251.

Rhagovella obesa,

anti-predator behaviour 4657.

Rhamphidiulus,

new species, Turkey 4307.

Rhaphidophoridae,

embryogenesis 2701.

enzyme polymorphism 9705.

Rhaxonycha,

taxonomy 764.

Rhopalosiphum padi,

pest status, Canada Ontario 5682.

Rhinacloa forticornis,

pest status, *Gossypium barbadense*, Barbados 5698.

Rhinocyllus conicus,

+ 2,4-D, weed control *Carduus nutans* 5687.

population dynamics, natural enemies effects on 5603.

weed control *Carduus*, USA Maryland/Pennsylvania 9610.

weed control *Carduus nutans*, USA Kansas 1934.

- Rhinoestrus phacochoeri**,
parasitism mammals, Central African Rep./Chad 2850.
- Rhinoestrus purpureus**,
parasitism man 8717.
- Rhinoncus**,
new species, Viet Nam 8138.
- Rhinonyssidae**,
new species, Spain 1427.
- Rhinophoridae**,
first record, Albania 9729.
new species, Canary Is. 3355.
- Rhinotermitidae**,
baits 7410.
behaviour 4649.
bioassays 7418.
castes 8784.
check lists, India Kanha National Park 2419.
check lists, Saudi Arabia 2417.
chemical control 2091.
chromosomes 4091.
digestive systems 4387, 5291.
enzymes 6036.
fauna, Nepal Kathmandu 5780.
growth regulators 7615.
gut microflora 1925.
hybrids 4079.
longevity 6112.
longevity/starvation/reproduction, magnetic fields effects on 2725.
mutualism 5539.
new species, China, People's Rep. 2416.
pests 2087, 2228.
pheromones 4604, 8434.
radiation effects on 5469.
rearing 1816.
trail pheromone 427.
zoogeography 3244.
- Rhinotragini**,
revision, Mexico 773.
- Rhinyptia**,
chemical control 5677.
- Rhipicephalus**,
hosts/geographical distribution, USA Connecticut 3773.
infection viruses 4772.
- Rhipicephalus appendiculatus**,
acaricides resistance 6094.
chemical control 7838.
experimental infection *Theileria parva* 4774.
infection *Theileria parva* 7858.
insecticides resistance 6101.
phenology, environmental factors 9427.
population dynamics, environmental factors 7827.
vector-borne diseases, Zimbabwe 3022.
- Rhipicephalus glabroscutatum**,
life cycles/development 9404.
- Rhipicephalus pulchellus**,
aggregation behaviour/host searching behaviour 1878.
- Rhipicephalus sanguineus**,
chemoreceptors, ammonia 5263.
development, precocene effects on 342.
first record, Poland 2210.
infestations/pest control 9585.
isolation *Coxiella burnetii* 6323.
medical importance, Netherlands 1194.
parasitism *Lepus capensis* 1931.
- Rhipicephalus turanicus**,
first record, India Orissa 1401.
- vectors *Coxiella burnetii* 2999.
- Rhipiphoridae**,
parasitism 6973.
- Rhithrogena**,
hatching, temperature effects 3638.
new species, USSR 5898.
- Rhithrogena imanica**,
taxonomy 4243.
- Rhithrogena semicolorata**,
development/phenology, pollution effects 3998.
- Rhizoecus**,
Cocos nucifera host plants, new records 6253.
taxonomy 3370, 9072.
- Rhizoglyphus echinopus**,
energy flow, mathematical models 4759, 4760.
- Rhizopertha domintea**,
damage/pest status, stored products *Zea mays* 3049.
food preferences, *Neovossia indica* -infected stored products 5552.
mutualism, gut bacteria 5542.
oocytes 8505.
pest status, stored products 3064.
repellents, diethyltoluamide 3551.
- Rhizotrogus majalis**,
hatching/survival, soil pH effects on 6181.
- Rhodacaridae**,
new species, Poland 5811.
- Rhodolospium padi**,
transmission maize rayado fine virus 1951.
- Rhode**,
new records, Italy 5819.
- Rhodnius**,
biology/immature stages 6203.
compound eyes, ultrastructure 1631.
- Rhodnius pallescens**,
parasitism, Panama 447.
- Rhodnius prolixus**,
accessory gland, proteins biosynthesis, juvenile hormones 7530.
accessory gland, ultrastructure 4527.
accessory gland development 8498.
aldehydes fixation, prothoracic gland 1596.
cuticle, mechanical properties 2504.
egg production, nutrition effects on 3665.
feeding blood meals, methodology 2461.
hatching, juvenile hormones analogues effects on 3629.
lectins, interaction *Trypanosoma cruzi* 6809.
midgut, proteinase activity 4407.
neurosecretion axons activity, relationship hormones 2521.
oogenesis 8537.
oogenesis, hormones 4565.
population dynamics 1200.
pyrethroids effects on neurosecretion, brain 3566.
rRNA, thermal stability 7126.
saliva, anticoagulants 7065.
saliva apyrase 4478.
salivary gland, penetration, *Trypanosoma rangeli* 3007.
vectors *Trypanosoma* 9571.
5-(4-biphenyl)-3-methylvaleric acid effects on metamorphosis 2716.
- Rhodobaenus**,
taxonomy 6572.
- Rhodochlanis**,
new genus, Balearic Is. Majorca 7349.
- Rhodopina**,
new species, Japan 2313.

- Rhodothemis rufa***,
larvae 9138.
- Rhogogaster***,
taxonomy 4277.
- Rhogosana***,
new species, Neotropical Region 8235.
- Rhombognathus***,
new species, USA 2276.
- Rhombopsis virens***,
taxonomy 4254.
- Rhomphoctona***,
revision, Europe 7359.
- Rhopaea verreauxi***,
energetics/role nutrient cycles 3847.
- Rhopalidae**,
new species, India 9065.
secretions 275.
spermatogenesis 321.
taxonomy 6635.
- Rhopalopsyllidae**,
teratology 5250.
- Rhopalosiphum***,
abundance/distribution, seasonal variations 8676.
new records, India Kerala 8060.
population levels, weather 7029.
reproduction/survival, host plants effects on 1150.
sampling 8769.
transmission barley yellow dwarf virus 1954, 6259.
vectors, soybean mosaic virus 6986.
- Rhopalosiphum insertum***,
population levels, British Isles England 7046.
- Rhopalosiphum maidis***,
antifeedants, *Sorghum bicolor* 2885.
chromosomes 8809.
control/vectors maize dwarf mosaic virus 9473.
- Rhopalosiphum nymphaceae***,
first record, Chile 1496.
- Rhopalosiphum padi***,
alary dimorphism, *Avena byzantina* /barley yellow dwarf
virus effects on 2881.
development/reproduction, host plants/feeding site selection
effects on 9472.
fecundity, seasonal variations 4650.
invertebrate viruses, isolation/characterization 9270.
parasitism 5158.
pathogenicity *Verticillium fusisporum* 3580.
pest status, *Triticum aestivum* 6353.
population development, growth regulators effects on 6141.
vectors potyvirus 9469.
- Rhopalum clavipes***,
oviposition on *Ptychoneura cylindrica* 1860.
- Rhopalum nigrinum***,
first record, Germany, Fed. Rep. Rheinland 4117.
- Rhopobota***,
taxonomy 6681.
- Rhyacia herculea***,
chemical control 3958.
- Rhyacionia***,
new records, USA 8941.
new species, Europe 8281.
pest status, *Pinus rigida* 5679.
pupae, collection methodology 170.
- Rhyacionia buoliana***,
biological control 5656.
- Rhyacionia frustrana***,
diapause 5398.
sex pheromone, diets effects on 3550.
- susceptibility *Pinus* /*Strobilus* 1151.
- Rhyacionia frustrana***,
chemical control 3071.
- Rhynchaenus***,
new species, USSR 5094.
- Rhynchaenus fagi***,
cold hardiness, seasonal variations 3560.
host plants/migration, seasonal variations 9429.
- Rhynchitidae**,
immature stages/life cycles 7704.
- Rhynchomicropteron***,
taxonomy 5128.
- Rhynchophorus ferrugineus***,
pathology, *Praecocilechus ferruginophorus* infection 1740.
- Rhynchophorus palmarum***,
vectors, red ring disease, *Elaeis guineensis* 6994.
- Rhynchopolipus rhynchophori***,
genitalia/mating 2694.
- Rhynchoproctus***,
taxonomy 870.
- Rhynchosclara***,
chromosomes, nucleic acids/protein biosynthesis 3127.
- Rhynchosclara americana***,
carotenoids, midgut/haemolymph 3514.
carotenoproteins characterization 6026.
chromosomes, DNA 4884.
gut enzymes 3498.
larvae, salivary gland, secretions 2631.
midgut hydrolases 2585.
peritrophic membrane 8392.
polytene chromosomes, spectrophotometry 2150.
- Rhynchotermes***,
nutrient sources nitrogen 3504.
- Rhynonirmus***,
new species, Colombia 5209.
- Rhysotritia ardua***,
decomposition leaf litter 7019.
- Rhyssemus***,
new species, Italy 3298.
- Rhyssemus scaber***,
new records/habitats, USA 8062.
- Rhythms**,
book 2259.
circadian rhythms, activity, *Scorpiones* 229.
circadian rhythms, calling behaviour, *Autographa gamma*
5447.
circadian rhythms, DDT/photoperiod effects on, *Periplaneta*
americana 6823.
circadian rhythms, emergence, mathematical models,
Sarcophaga argyrostoma 4381.
circadian rhythms, hatching, *Schistocerca gregaria* 9188.
circadian rhythms, locomotor activity, *Leucophaea maderae*
4382.
circadian rhythms, moulting/prothoracicotropic hormone
secretion, *Philosamia cynthia* 7625.
circadian rhythms, photoperiod, *Insecta*, review 5281.
circadian rhythms, proboscis extension, *Protophormia*
terraenovae 940.
circadian rhythms, sex pheromone release, *Schizaphis*
graminum 5279.
circadian rhythms, sheltering behaviour, aggregation,
Blattella germanica 7695.
circadian rhythms, temperature preferences, *Tipula plutonis*
9423.
circadian rhythms activity, *Trigonoscelis gigas* 3488.
circadian rhythms activity patterns, Lepidoptera, Arctic
Zone 4620.

Rhythms,(continued)

- circadian rhythms biting behaviour, *Armigeres subalbatrus* 3489.
- circadian rhythms biting behaviour, *Simulium* 3720.
- circadian rhythms calling behaviour, *Mamestra suasa* 1064.
- circadian rhythms diapause, photoperiod, *Teiranychus urticae* 1645.
- circadian rhythms emergence, *Culicoides variipennis* 3487.
- circadian rhythms emergence, *Pontomyia* 5508.
- circadian rhythms feeding, *Zeiraphera diniana* 6023.
- circadian rhythms feeding behaviour/haemolymph sugars, *Diplonychus indicus* 2556.
- circadian rhythms flight, *Cyclocephala* 3726.
- circadian rhythms flight, regulation, *Culex* 2557.
- circadian rhythms flight activity, mathematical models, *Culex quinquefasciatus* 1646.
- circadian rhythms foraging behaviour, *Pyrus* flowers, *Apis* 2807.
- circadian rhythms locomotor activity, ontogeny, *Leucophaea maderae* 939.
- circadian rhythms mating, *Nomadopsis puellae* 3695.
- circadian rhythms mating behaviour, temperature effects, *Telegryllus commodus* 4383.
- circadian rhythms oviposition, *Ostrinia nubilalis* 4380.
- circadian rhythms oxygen consumption, *Acheta domestica* 1686.
- circadian rhythms reproduction, *Myzus persicae* 6154.
- circadian rhythms/seasonal variations activity patterns, *Dicosmoecus gilvipes* larvae 1904.
- diel activity, carbon dioxide effects on, *Haemaphysalis longicornis* 5472.
- diel activity, foraging behaviour/pollination *Helianthus annuus*, *Apis mellifera* 7763.
- diel activity locomotion *Cupiennius salei* 228.
- diel activity/seasonal variations, flight, *Euxoa* 5280.
- diel periodicity, feeding, *Potamanthus myops* 414.
- diel periodicity, flight, environmental effects, Dytiscidae 1154.
- diel periodicity feeding, *Sigara falleni* 2825.
- diel variations, biting/flight activity, *Culicoides phlebotomus* 8435.
- diel variations, compound eyes ultrastructure, *Ptilogyna spectabilis* 1639.
- diel variations, feeding, *Epilachna chrysomelina* 9385.
- diel variations, flight activity, *Musca domestica* 6938.
- diel variations, foraging, *Malacosoma americanum* 4609.
- diel variations, habituation, *Calliphora vomitoria* 8386.
- diel variations, mating, *Ceratitis capitata* 8561.
- diel variations dispersal activity, *Nezara viridula* 2776.
- diurnal variations flight, Odonata, USSR Ukraine 2808.
- feeding, *Simulium damnosum* 1920.
- flight activity, light intensity effects on, Lepidoptera 5474.
- leg oscillation, walking, *Carausius morosus* 1615.
- mating/oviposition behaviour, *Chrysochaon dispar* 4595.
- photoperiod, Insecta, book 8955.
- respiration, diapause, *Papilio machaon*/Pieris brassicae 4532.
- sex pheromone, environmental factors, *Cydia pomonella* 4436, 4588.
- sex pheromone, environmental factors, *Grapholitha molesta* 4587.
- Rhytidoponera**,
ecological genetics 7167.
revision/new species, Australia 5168.
- Rhytidoponera metallica**,
populations, compatibility workers 7837.
- Rhytinota tristis**,
Cystocephalus rhytinotus infection 2645.

Rhyzobius,

biology 7713.

taxonomy/biological control 7276.

Rhyzopertha dominica,

control, use diatomaceous earth 6340.

mitochondria, cytochrome c oxidase activity, phosphine effects on 966.

sex differentiation, methodology 6721.

susceptibility chitin inhibitors 1049.

Riazocoris nigra,

anatomy/phylogeny 1563.

Ribautodelphax pallens,

first record, Poland 2225.

Ribonucleotides,metabolism, oogenesis, *Coelopa frigida* 7640.**Ricanidae**,

embryology 1789.

Ricinulei,

taxonomy 8961.

taxonomy/phylogeny 1419.

Rickettsiales,*Anaplasma marginale*, transmission, *Dermacentor* 7864.*Blattabacterium*, symbiosis *Cryptocercus relictus* 5538.*Coxiella burnetii*, transmission, Ixodidae 2999.*Coxiella burnetti*, isolation, *Rhipicephalus sanguineus* 6323.detection, *Drosophila melanogaster* cell lines 2501, 3452.isolation *Ctenocephalides canis* 6322.*Rickettsia*, transmission, *Ornithodoros* 2052.*Wolbachia*, detection, Culicidae ovary 1746.**Riella manticida**,

taxonomy 2411.

Rifargia,

new species, Neotropical region 3393.

Ricidinidae,

eggs 5243.

taxonomy 5204.

Riptortus clavatus,

rearing 7409.

Risa,

new species, USSR 8175.

Risidae,

new species, Morocco/USSR 8175.

Risiocnemis,

taxonomy 7398.

Risiocnemis incisa,

chromosomes/phylogeny 7955.

Ritsemia pupifera,

taxonomy 2395.

Ritsemiini,

new taxa 2395.

Rivers,

ecology Corixidae, USA North Dakota 3118.

Lambro R., check lists/pollution effects Chironomidae, Italy 2117.

life cycles/ecology Ephemeroptera, Coquet R., British Isles Northumberland 1280.

Lune R., occurrence/population dynamics *Baetis rhodani*, British Isles 3867.

Savannah R., USA, life cycles Trichoptera 1897.

water temperature effects on fecundity/size, Insecta 3645.

Robertus,

new species/check lists, Italy 8108.

Robsonomyia,

new genus, Canada/USA 7311.

Rodentopus sciuri,parasitism *Erinaceus albiiventris* 9460.

- Roferta**,
new genus 6634.
- Romalea microptera**,
anatomy, book 9762.
walking, nerves coordination 1609.
- Romaleidae**,
chromosomes 4899.
new species, Costa Rica/Panama 8292.
- Romania**,
check lists Odonata 1396.
new records Braconidae 8616.
new species Acari 8091.
new species Braconidae 4263.
new species Cantharidae 1441.
new species Trombiculidae 18.
- Romania Retezat National Park**
6508.
- Roncus**,
new species, Greece 6563.
new species, Sardinia 8990.
- Ropalidia marginata**,
metamorphosis, midgut 6117.
social hierarchy 7106.
- Roparidia fasciata**,
nests, distribution 5714.
- Ropotamothrips**,
taxonomy/phylogeny 2444.
- Rosella**,
new species, Colombia/Panama 8135.
- Rosensteiniidae**,
new species, USA 8969.
taxonomy 5812.
- Royanthidium**,
new species, Muscat and Oman 5175.
- Rubrica nasuta**,
defensive behaviour, social interactions 3749.
- Rudebeckocoris**,
new species, Ghana 8223.
- Rugitermes**,
new species, Brazil 845.
- Rugitermes niger**,
Trichonympha symbionts 426.
- Runcinia**,
taxonomy 4175.
- Rutelidae**,
chemical control 5677.
new species, Morocco 3321.
- Rwanda**,
new species Acaridae 2273.
new species Geometridae 851, 3388, 8262.
new subspecies Geometridae 3386.
- Ryu Kyu Is.**,
new species Brachodidae 114.
taxonomic revision Culicidae 1476.
- Sabah**,
new species Sphecidae 844.
new species Tetrablemmidae 8975.
- Sabahya**,
new genus, Borneo 8975.
- Sabatinca**,
taxonomy 1519.
- Saccharolecanium**,
new genus 2392.
- Saga natoliae**,
development/feeding 1021.
- Saileria irrorata**,
taxonomy/new records, USA 6632.
- Saissetia**,
population dynamics, Coccidae 508.
- Saissetia oleae**,
biological control 7093.
population dynamics, environmental factors 5631.
population dynamics/parasitism 6302.
- Saldidae**,
taxonomy 4249.
wings 982.
- Saldolepta**,
new genus, Ecuador 5923.
- Saldula**,
revision, Hawaii 4249.
- Saldula fernaldi**,
wings pigmentation, seasonal variations 982.
- Salentia**,
taxonomy 2377.
- Salina**,
new species, India 1464.
- Salticidae**,
behaviour 5453, 5454, 6915, 9367.
mating 1062.
new records, Nepal 5028.
new species, Austria/Czechoslovakia 4168.
new species, Brazil 7258, 8982.
new species, India 4166, 4167.
new species, Nepal 4169, 4170.
new species/new records, Bolivia 8107.
polymorphism/taxonomy 8981.
predation 7001.
taxonomy 25, 3287, 5075, 8105, 8106.
- Saltonacris**,
new species, Neotropical Region 1529.
- Salts**,
effects on longevity/reproduction, *Sitophilus granarius* 1800.
- Sancassania berlesei**,
new records, New Zealand 8899.
- Sanctanus fasciatus**,
host plants, *Cyperus rotundus* 3780.
- Sandalodes calvus**,
taxonomy 5075.
- Saparus**,
taxonomy 8292.
- Saperda inornata**,
taxonomy 769.
- Saperda populnea**,
biology/host plants 2806.
- Sapintus**,
new species, Bangladesh 39.
- Saprinus**,
new species, South Africa 6578.
- Saproglaphidae**,
new species, Hungary 8103.
- Sapromyza**,
taxonomy 6600, 8173.
- Saraella**,
new species, Italy 5891.
- Sarawak**,
new species Dermaptera 5120.
new species Leioidae 6584.
new species Paramegistidae 4157.
new species Phoridae 5128.

- Sarcophaga**,
new species, Austria 804.
parasitism *Coendou prehensilis* 8620.
- Sarcophaga argyrostoma**,
circadian rhythms, emergence, mathematical models 4381.
diapause, photoperiod/temperature effects on 1794.
- Sarcophaga barbata**,
trehalose hydrolysis, enzymes 967.
- Sarcophaga bullata**,
cytochrome P-450 characterization/multiple forms 956.
eye, photoreceptors 2549.
flight, aerodynamic properties, measuring techniques 9162.
food assimilation 9208.
haemolymph vitellogenin, ecdysterone effects on 7601.
oogenesis, role hormones 3659.
rRNA genes 7946.
tarsal chemoreceptors, legs transplants 8384.
- Sarcophaga crassipalpis**,
diapause, hormones 5401.
diapause termination, solvents effects on 345.
- Sarcophaga dux**,
digestive enzymes, development 8390.
- Sarcophaga krameri**,
myiasis man, Malaysia 2021.
- Sarcophaga nodosa**,
midgut/hindgut, ATPase (Na + K activated) localization 9193.
- Sarcophaga peregrina**,
cell culture 1592.
ecdysteroids inactivation/reactivation 9351.
imaginal discs, proteins 952.
ribonuclease, fat body, pupation 7491.
- Sarcophaga ruficornis**,
brain, anatomy, metamorphosis 2537.
ovarioles, glycogen biosynthesis, thiourea effects 1033.
reproduction, thiourea effects on 7610.
RNA biosynthesis, thiourea effects on 3639.
- Sarcophagidae**,
biological control *Hybomitra lasiophthalma* 569.
brain 2537.
cell culture 1592.
check lists, Uganda Toro Game Reserve 4136.
check lists/new records, Albania 9729.
chemosterilants 3639.
diapause 1794, 5401.
diapause termination 345.
digestive systems 8390.
enzymes 967, 7491, 9193.
genes 7946.
genitalia 6744.
glycogen biosynthesis 1033.
gut 949, 2566.
hormones 7601, 9351.
immature stages 7447.
larvae 191.
locomotion 9162.
meiosis 3145.
new records, Afghanistan 9742.
new species, Austria 804.
new species, Philippines 6618.
new species, Turkey 803.
nutrition 9208.
oogenesis 3659.
parasitism 2021, 3934, 4668, 5514, 7741, 8614, 8620.
proteins 952, 956.
reproduction 7610.
Rhopalum clavipes eggs on 1860.
rhythms 4381.
sense organs 2549, 6772, 8384, 9182.
taxonomy 6616, 6619.
taxonomy/zoogeography 6617.
zoogeography 8913.
- Sarcoptes scabiei**,
case reports, man 3004.
epidemiology, man 2026.
parasitism, association *Malassezia pachydermatis* 6312.
parasitism dogs 7064.
- Sarcoptes suis**,
infestations pigs 2038.
- Sarcoptidae**,
new records/parasitism. USA 4677.
parasitism 2038, 4678, 6312, 7064, 9460.
scabies 2026, 3004.
- Sardinia**,
first record *Brachythemis leucosticta* 8924.
first record *Horvathiolus syriacus* 676.
new records *Echinodera graeca* 1447.
new records *Lindenia tetraphylla* 708.
new species Acerentomidae 6696.
new species Catopidae 9001.
new species/check lists Tineidae 1522.
new species Chthoniidae 7261.
new species Coleophoridae 3383.
new species Dasytidae 1450.
new species Dysderidae 5819.
new species Limnephilidae 869.
new species Neobisiidae 8990.
new species Noctuidae 1520.
new species Scarabaeidae 1460.
new species Staphylinidae 793.
new species Theridiidae 8108.
- Sargus bipunctatus**,
ecology/geographical distribution, Netherlands 675.
- Sarinda nigra**,
new records, Bolivia 8107.
- Saronomoides**,
taxonomy 34.
- Satorystia meschniggi**,
first record, Czechoslovakia 3195.
- Saturnia**,
geographical distribution, Iran/Turkey 8042.
taxonomy 9099.
- Saturnia pavonia**,
new records, host plants 477.
- Saturnia pyri**,
reproductive behaviour, interspecific interactions *Antheraea polyphemus* 7667.
- Saturniidae**,
America, book 729.
amino acids 7488.
behaviour 5456, 7667, 9187.
biochemistry 6818.
biology 395.
cell culture 4338.
chemical control 543.
chromosome aberrations, radiation (γ) 2723.
chromosomes 1311, 8811.
circadian rhythms/development 7625.
cold acclimation 1709.
development 8486.
eggs 2484, 2485.
enzymes 9218.
fat body 6820.
feeding 3951.

Saturniidae,(continued)

food plants 5561.
 genes 4003.
 geographical distribution, Iran/Turkey 8042.
 growth 7445.
 gut 950.
 haematopoiesis 1690.
 hormones 3547.
 hypersensitivity, man 2011.
 immature stages 903, 5996.
 ions 1708.
 larvae 196, 5248.
 lipids 3516.
 metabolism 7510.
 natural enemies 5691.
 neurosecretion 6831, 8441, 9168.
 neurotransmitters 3540.
 new records, host plants 477.
 new species, Cameroon (United Rep.) 132.
 new species, Mexico 131.
 new subspecies, Spain 2420.
 nucleic acids 4021, 7128, 7130.
 parasitism 1908.
 pathology 5368.
 pests 4826.
 proteins 4425, 4431.
 rearing 1104.
 reproduction 8547.
 respiration 8417.
 respiratory systems 2559.
 taxonomy 1521, 9099.
 teratology 199.
 thermoregulation 1879.

Satyridae,
 behaviour 6964.
 development 9360.
 ecological genetics 2181.
 ecology 7784.
 evolution 4974.
 genes 1303.
 geographical distribution, Italy 695.
 life cycles/morphology 1912.
 mountains/check lists/ecology, Venezuela Cordillera de Merida 8080.
 new records, German Dem. Rep. 1378, 3223.
 new records, Greece 6512.
 new records, Italy Alps West 694.
 new records, Spain Navarra 3233.
 new records, USA Kentucky 2252.
 new species, Costa Rica 5205.
 new species, Nepal 6672.
 new species, Philippines 133.
 new species, South Africa 864.
 new subspecies, Algeria 8277.
 new subspecies, Greece 7388.
 new subspecies, Spain 2420.
 populations 8920.
 populations, Canada Quebec 2251.
 predation 7801.
 rearing 6714, 6718.
 taxonomy 6677, 6678, 7387.
 biogeography 2232.

***Satyrium acadica*,**
 aberrations 198.

***Satyrium circe*,**
 new records, German Dem. Rep. 1378, 3223.

Saudi Arabia,

Insecta, medical importance, review 3918.
 new species Bombyliidae 8177.
 new species Megachilidae 5175, 5936.
 new species Termitidae Termitidae, new species, Saudi Arabia 2417.

Saudi Arabia Al-Hassa,

seasonal variations population levels Lepidoptera 3879.

***Sauris*,**

new species, Australia 1518.

***Scalopacarus*,**

new species, USA 8097.

Scandinavia,

Auchenorrhyncha, book 6531.

Formicidae, book 6533.

***Scapheutes*,**

taxonomy 5941.

Scaphidiidae,

new species, Fiji 2330.

new species, New Ireland 6589.

***Scaphiostreptus*,**

hindgut cytopathology, diets effects on 2565.

***Scaphisoma*,**

new species, Fiji 2330.

***Scaphobaeocera*,**

new species, New Ireland 6589.

***Scaphoideus ineffectus*,**

taxonomy 4254.

***Scaphoidophyes*,**

new species, Ethiopian Region 8237.

***Scaphoxium*,**

new species, New Ireland 6589.

***Scaphytopius acutus*,**

ecology, role host plants 1147.

***Scapteriscus*,**

mouthparts 6726.

***Scaptomyza*,**

check lists/ecology, Portugal 5769.

***Scaptosciara*,**

new species, USSR 6620.

***Scaptotrigona postica*,**

corpora allata biometrics 7526.

reproductive systems 1024.

spermatogenesis 1830.

Scarabacidae,

attractants 1696, 9234.

behaviour 4632.

behaviour/biology 8599.

biological control 3984, 3986, 4809.

biology 5481, 6937.

biology/behaviour, dung, Zaire 2956.

biology/control/ecology, review 1075.

biology/pests 5520.

chemical control 3948, 3987, 5684.

chemosterilants 337.

chromosomes 4037.

cleptoparasitism 1120, 2919.

communities 5586.

cultural control 3950, 3954, 3992.

development 1080.

digestion 2575.

digestive systems 6781, 6786.

dispersal 3814.

ecology 2929, 2963, 3828, 3829, 3844, 3847, 3864, 3880.

energetics 3519.

enzymes 3538.

feeding 1141.

Scarabaeidae,(continued)

flight 2514.
 genitalia 164.
 geographical distribution, Finland 6497.
 grasslands, food preferences 1110.
 growth/feeding 7757.
 immature stages 8341.
 insecticides toxicity 3608.
 larvae 899.
 larvae, *Bacillus popilliae* susceptibility 3100.
 life cycles 3730, 7804, 9386.
 locomotion 215.
 metabolism 6035, 6044.
 mouthparts 2568.
 muscles 4355.
 natural enemies 3868.
 new records, USA 8933.
 new records, USA Illinois 8934.
 new records, USA Mississippi 1403.
 new records/habitats, USA 8062.
 new species, Algeria 3329.
 new species, Australia 5865.
 new species, Bolivia/Peru 3328.
 new species, China, People's Rep. 5111.
 new species, Cuba 3326.
 new species, Ecuador 3327.
 new species, Ethiopian Region 4208.
 new species, France/Sardinia 1460.
 new species, Iran/Iraq 55.
 new species, Mexico 5864.
 new species, Morocco/Algeria 5863.
 new species, Morocco/Somali Dem. Rep. 789.
 new species, Neotropical Region 3325.
 new species, Neotropical Region/Borneo 1461.
 new species, Philippines 7293.
 new species, South Africa 8153.
 new species, Spain 9021.
 new species, Tunisia 3324.
 new species, USA 8151.
 new species/immature stages, Brazil 7295.
 new species/new records, Afghanistan 4209.
 new species/new records, Malaya 9017.
 new species/new records, Seychelles 5112.
 nutrition 3634.
 osmoregulation 6829.
 parasitism 2837.
 pathology 3572, 3576, 5370, 9266.
 pest resistance *Helianthus/Viguiera porteri* 1961.
 pest resistance Leguminosae 3794.
 pest resistance *Tilia* 2861.
 pests 3940.
 pests resistance *Trifolium repens* 3809.
 phenology 3735.
 pheromones 3726.
 population dynamics 3875, 3885.
 population dynamics, environmental effects, grasslands 3856.
 population studies, grasslands, review 3873.
 populations 3895, 6181.
 predation 8680.
 rainfall/soil moisture effects on 1876.
 review, Hungary 2218.
 sampling 3431, 5225.
 sampling, soil/pitfall traps 3869.
 senses 7468.
 taxonomy 2331, 2332, 3198, 3322, 7294, 9018, 9019, 9020.
 taxonomy/zoogeography 8152.
 traps 3417, 5233.

viruses 286.

zoogeography 3243, 9748.

Scarabaeinae,
 check lists, Zaire Bateke Plateau 3243.

Scarabaeoidea,
 taxonomy 3323.

Scarabus,
 revision, USSR 7294.

Scarites,
 biological control *Heteronychus arator* 3984.

Scarites buparius,
 sex chromosomes 2155.

Scarodytes savinensis,
 morphology 1369.

Scathophaga,
 reproduction/food consumption 4524.
 taxonomy/teratology 5892.

Scathophaga stercoraria,
 abdomen, morphology 912.
 activity patterns, mathematical models, dung 2798.
 intraspecific interactions, mate selection, mathematical models 3837.
 mate selection 6171.
 predatory behaviour/mating 6215.
 reproductive behaviour/territorial behaviour 6174.

Scathophagidae,
 activity patterns 2798.
 behaviour 6171, 6174, 6215.
 competition 3837.
 genitalia 912.
 reproduction 4524.
 taxonomy 5892.

Scatopsidae,
 new species, France 2368.

Scelionidae,
 development 2717.
 new records/new species, Mongolia, People's Rep. 4275.
 new species, India 5181, 7364, 7365, 8254.
 new species, Neotropical Region 5180, 9083.
 new species, Palearctic Region 840.
 new species, Tunisia 4274.
 new species/revision, Nearctic Region 842.
 parasitism 555, 1906, 1928, 3887.
 sex ratios 1859.
 taxonomy 841, 2411, 4276, 6666.
 taxonomy/zoogeography 8253.
 ultrastructure 9152.

Sceliphron formosum,
 parasitism 6973.

Sceliphron laetum,
 records, New Zealand 6486.

Scelodontina,
 new genus, Fiji 45.

Scenopinidae,
 new species, Australia 78.
 new species, USSR 5893.
 types 4221.

Scenopinus,
 new species, Australia 78.
 new species, USSR 5893.

Schaeferocorts,
 new genus, Ecuador 1492.

Schaefferia,
 taxonomy 5184.

- Schedlia**,
new species, Papua New Guinea 8154.
- Scheloribates**,
immature stages 6738.
- Scheloribatidae**,
immature stages 6738.
- Schistocerca**,
innervation, leg muscles 7461.
- Schistocerca gregaria**,
accessory gland, role egg pod formation 8444.
chemoreception/food selection, plant chemicals role 9438.
circadian rhythms, hatching 9188.
cuticle deposition, role hormones 1605.
cuticle permeability, gut 2571.
cuticle permeability chemicals 9155.
development, tannic acid effects on 3657.
dieldrin metabolism 1765, 4419.
ecdysones, ovary/reproduction 8543.
egg shells secretion 9358.
eggs, ecdysones 8429.
eggs, ecdysteroids 3664.
eye, electrical properties nerves, visual stimuli 3478.
factors affecting migration direction 3813.
flight, isolation/crowding effects on 3708.
flight, take-off, environmental factors 6751.
flight activity, early experience-crowding 6778.
food preferences, taste discrimination 6765.
fructose-bisphosphate aldolase characterization 5306.
glucose/trehalose, nutrition nerves 1625.
hexokinase characterization 5315.
host plants effects on development/morphometry 5554.
hydrocortisone effects on development 5441.
hypersensitivity, man 3924.
immune response (cell mediated) *Diplotriaena tricuspis* 2639.
insecticides toxicity 5386.
juvenile hormones/oogenesis, starvation 4566.
lamina nerves, development/ultrastructure 9167.
learning, neurochemistry 5467.
mechanoreceptors electrical properties, leg 5265.
metabolism, flight, haemolymph octopamine 6024.
metamorphosis, precocene effects on 5424.
midgut, function/ultrastructure 5292.
mones, ecdysones 4433.
moulting behaviour, gut role 227.
moulting behaviour, motor activity 226.
muscles, electrical properties 8355.
muscles, electrical properties, *Philanthus triangulum* venom effects on 3465.
muscles, response γ -aminobutyric acid 9161.
nerves, electrical properties 4359.
nerves, vision interactions flight 2518.
nerves activity, metathoracic ganglion, ventilation 1620.
nerves integration 5257.
neuromuscular junctions 5258.
neuromuscular junctions, toxicology *Philanthus triangulum* 4353.
pest outbreaks 1265.
polymorphism, reproduction 8493.
proline metabolism 249.
rectum, acetate transport 8389.
rectum, active transport phosphates ions 6065.
rectum, ions transport, role corpora cardiaca/cyclic AMP 2618.
serum immune response 7487.
testis, proteins biosynthesis 7638.
uptake/distribution DDT 8466.
walking, nerves coordination 1609.
- Schistocerca nitens**,
embryology, nerves, leg 6876.
flight nerves, ontogeny 7459.
synapses, electrical properties 2532.
- Schizaphis graminum**,
chemical control 6337, 9595.
circadian rhythms, sex pheromone release 5279.
integrated control 635.
parasitism 8325.
pest resistance *Sorghum* 6350.
pest resistance *Sorghum bicolor* 7897.
pest resistance *Triticum* 7889.
pest resistance *Triticum tauschii* 2673.
pest status, *Triticum aestivum* 6353.
pesticide resistance pesticides (organophosphorus) 2675.
reproduction/survival, host plants effects on 1150.
transmission barley yellow dwarf virus 6259.
- Schizomida**,
taxonomy 8961.
- Schizomidae**,
taxonomy 30, 8991.
- Schizomus**,
taxonomy 8991.
taxonomy/new species, Sumatra 30.
- Schizoneura**,
taxonomy 6639.
- Schizonycha**,
population structure/seasonal variations, savannahs, Ivory Coast 2965.
- Schizopteridae**,
new species, Tasmania 1491.
- Schizorhynchus**,
taxonomy 2359.
- Schizotetranychus celarius**,
morphology, variability 4330.
- Schizotetranychus hindustanicus**,
pest resistance *Citrus* 2892.
- Schizura concinna**,
pathology *Heterorhabdus bacteriophora* + *Xenorhabdus luminescens* 283.
- Schleroribates laevigatus**
first record, Egypt, Arab. Rep. 1421.
- Schoengastia**,
new species, Thailand 17.
- Schoutedenichia**,
new species, Romania 18.
- Schreckensteina**,
distribution, Austria 9735.
- Schreckensteiniidae**,
distribution, Austria 9735.
- Schwiebea**,
new species, Belgium 2272.
new species, Belgium/France/Algeria 755.
- Sciapteryx coquilletti**,
taxonomy 108.
- Sciara coprophila**,
chromosomes, DNA organization 601.
evolutionary genetics, nonhistone proteins 651.
meiosis, chromosomes orientation 9683, 9684.
polytene chromosomes, DNA, cytosine (5-methyl) content 592.
- Sciara ocellaris**,
X chromosome elimination, embryogenesis 617.
- Sciariidae**,
bioassays 8482.
chromosomes 2150, 3127, 4884.
developmental genetics 617.

Sciaridae,(continued)

digestive systems 8392.
eggs 7433.
enzymes 2585, 3498.
glands 1731, 2631.
meiosis 9683, 9684.
new species, USSR 6620, 9032.
nucleic acids 592, 601.
parasitism 4673.
pigments 3514.
pollination *Listera cordata* / *Scolopus bigelovii* 452.
proteins 6026.
taxonomy 805.
toxicity insecticides 305.

Sciomyza,
taxonomy 8195.**Sciomyzidae,**

check lists, France 8914.
check lists, Italy 3356.
taxonomy 9043.
taxonomy/biology 79.
taxonomy/new records, Holarctic Region 8195.

Sciopithes obscurus,
phagostimulants, *Rhododendron* plant extracts 415.**Scirpophaga nivella,**

larvae, gut, pH 2573.
larvae, gut amino acids 2569.

Scirtetinus,

new species, Kenya 6565.

Scirtothrips citri,

development/survival, temperature effects 3637.
traps 7429.

Scirtothrips dorsalis,
pupation site selection 9426.**Scirtothrips manihoti,**
population levels, predation effects on 7002.**Sciuropsis,**
new species, Spain 1420.**Sclerolistrophorus,**
new species, Colombia 5053.**Sclerosococcus,**
new species, Chile/Ecuador 4252.**Scolia quinquecincta,**
taxonomy 104.**Scolia sinensis,**
parasitism *Potosia marginicollis* 2831.**Scoliidae,**
biology 2831.**Scolioneura laeta,**
taxonomy 2413.**Scolopendra subspinipes,**
swimming behaviour 6008.**Scolopendridae,**
new species, India 4306.**Scolopostethus affinis,**
abundance, *Fragaria* crop fields, Sweden 1956.**Scolypopa australis,**
embryology 1789.**Scolytidae,**
adaptations, host plants, attractants 1957.

aggregation 1903.
association Acari 5611.
attractants 2862, 4443, 4457, 6049.
behaviour 2755, 5354, 5489, 8622, 9379, 9480.
biological control 5690.

biology 8598.
check lists, USA Indiana 9749.
chemical control 1267, 2058, 8741, 9609, 9631.
communities 7820, 8693.
competition 9507.
cultural control 4810, 9596.
development 6149.
ecological genetics 8887.
ecology 2959, 4756.
glands 7650.
host plants 466.
host plants effects on 7776.
host plants/pheromones 1136.
immunology 7424.
life cycles 4621, 5498, 5507, 7077.
mating 2757.
new species, Australia 2333.
new species, Papua New Guinea 4181, 8154.
new species/check lists, Australia Queensland 4182.
new species/new records, Chile 1462.
orientation 1070.
parasitism 9453.
pathology 3595, 4495, 7559, 9260, 9261.
pest attack 1230.
pest status/damage, Finland 2089.
pests 465, 560, 1239, 1935, 2084, 3045, 3075, 4719, 4814, 4815, 4838, 5681, 8770, 9120.
pheromones 3554, 5324, 5988, 6055, 9231, 9239.
population genetics 4956.
populations 6286, 7004, 9499, 9546.
predation 5608, 6951.
rearing 2454.
repellents 263.
reproduction 1817.
sampling 7412.
sense organs 7479.
taxonomy 6590, 7296.
teratology 1583.
vector-borne diseases 7787, 9602.

Scolytoidea,

new records, Australia 2333.

Scolytus,

Acari association, *Ulmus carpinifolia* 5611.

Scolytus multistriatus,

courtship behaviour 2755.
flight orientation, ameotaxis/geotaxis/phototaxis 1070.

Scolytus scolytus,

fungi infection, environmental factors 9261.
pathology fungi 9260.

Scoparia,

taxonomy 9098.

Scorpio maurus,

temperature preferences 6952.

Scorpiones,

behaviour 5511, 6952.
check lists, Seychelles 5759.
cuticle 6745, 8352.
neurotoxins 5381.
osmoregulation 8436.
rhythms 229.

species diversity/distribution, arid zones/Mediterranean environments, Israel 2001.

spermatozoa 1598.

taxonomy 2296.

thermoregulation 1715.

toxins 6069, 6832, 6833.

venom 5383.

Scorpiones,(continued)

zoogeography 5792.

Scorpionidae,

glands 1728.

new species/new records, South Africa 7265.

taxonomy 7266.

Scotia,

population dynamics 4753.

Scotia segetum,

development, lead effects on 6894.

sex pheromone 7515.

Scotogramma trifolii,

rearing 7411.

Scotophaeus,

taxonomy 20.

Scoripalpa ocellatella,

sex pheromone 6052.

Scutpulistreptus,

taxonomy 870.

Scutacaridae,

new species/new records, Austria 8970.

taxonomy 5057.

Scutacarus,

new records, Nearctic Region 5057.

new species, Hungary 8091.

new species/new records, Austria 8970.

Scutacarus silvestri,

taxonomy 8090.

Scutascirus,

new species, South Africa 8964.

Scutelleridae,

neurosecretion 3470.

oenocytes 9307.

reproductive systems 8504.

spermatogenesis 3678.

Scutellochoris,

new genus, Pakistan 7328.

Scutellomusca,

taxonomy 1468.

Scutigera coleoptrata,

grooming behaviour, analysis 1088.

Scutopalus,

new genus, Ethiopian Region 7241.

Scutothrips,

taxonomy/phylogeny 2444.

Scydmaenidae,

check lists/new species, Congo, People's Rep. 5113.

new species, Canary Is. 5834.

new species, India/Nepal 4210.

new species, Ivory Coast 3330, 6591.

new species, South Africa 8156.

new species, Sweden 7267.

new species, Yugoslavia 3297.

taxonomy/zoogeography 8155.

Scydmaenus,

check lists/new species, Congo, People's Rep. 5113.

new species, Ivory Coast 6591.

new species, Nepal 4210.

new species, South Africa 8156.

Scydmorephes,

new records, France/Switzerland 7297.

Scydmorephes profanus,

taxonomy 3297.

Scymnodes lividigaster,

defensive behaviour/adaptations 4658.

Scymnus,

new species, Turkey 9007.

taxonomy 7276.

Scymnus marginicollis,

bionomics 4616.

Scythis,

revision 4217.

Scythrididae,

new records, British Isles 6492.

Scythris inspersella,

first record, British Isles 6492.

Scythropochroa,

new species, USSR 6620.

Seabratetix,

new genus, Brazil 5211.

Secretion,adhesion fluids, *Coptosoma scutellarum* 6837.

adhesives, leg, Pentatomidae 9255.

amylase, gut, *Bombyx mori* 2582.defence secretions, *Chrysomela* /*Gastrolina depressa* 5345.defence secretions, diterpenes, *Bulbitermes singaporensis* 5352.defence secretions, *Periplaneta* 6956.defence secretions, *Tessaratomia javanica* 5325.defence secretions, *Tramiathaea cornigera* /*Thamiaraea fuscicornis* 9251.defence secretions, *Dasymutilla occidentalis* 4476.diterpenoids/sesterterpenoids characterization, *Ceroplastes ceriferus* 9256.dopamine-induced, inhibition, α -flupenthixol, salivary gland, *Nauphoeta cinerea* 2626.Dufour's gland secretion, *Myrmica* 7528.ecdysones, leg oenocytes, *Opiliones* 9222.honey production, hybrids, *Apis* 9647.10-hydroxydec-2-enoic acid, isolation effects on, *Apis mellifera* 9252.mandibular glands, *Myrmica* 9250.melezitose production, *Aphididae* 1669.neuroendocrine system, supernumerary moulting, *Manduca sexta* 6166.neurosecretion, *Achoea janata* /*Philosamia ricini* 9168.neurosecretion, brain, *Tipulidae* 9249.neurosecretion, brain neurohaemal organs, *Melanogryllus desertus* 4363.neurosecretion, corpora cardiaca, *Locusta migratoria* 8443.neurosecretion, *Dendrolimus pini* 8439.neurosecretion, environmental factors, *Dysdercus koenigii* 6891.neurosecretion, histology, *Dysdercus koenigii* 8314.neurosecretion, innervation corpora cardiaca, *Manduca sexta* 8361.neurosecretion, *Locusta migratoria* 6835.neurosecretion, median neurosecretory cells, *Melanogryllus desertus* 4362.neurosecretion, nutrition effects on, *Lucilia sericata* 9354.neurosecretion, octopamine, *Locusta migratoria* 7464.neurosecretion, proteins biosynthesis, *Locusta migratoria* 4361.neurosecretion, regulation juvenile hormones esterase, *Trichoplusia ni* 7535.neurosecretion cells, brain, *Blattodea* 8440.neurosecretion cells, brain, *Philosamia ricini* 6831.neurosecretion/neurohaemal organs, *Philosamia ricini* larvae 8441.osmeterium, *Papilionidae* 5351.saliva, apyrase, *Rhodnius prolixus* 4478.salivary gland, phenyloxidase, *Exeristes roborator* 6074.salivary gland secretion, Balbiani rings gene expression, *Chironomus tentans* 4473.

Secretion.(continued)

- scent gland, *Apateticus bracteatus* 6076.
sex pheromone, glands, rectum, *Dacus oleae* 231.
silk, ultrastructure, *Araneus diadematus* 4475.
tegumental gland, *Polistes gallicus* 2625.
tentorium gland, *Polyxenus lagurus* 2632.
- Secretions,**
accessory gland, *Glossina morsitans* 1849.
biosynthesis, post-pharyngeal gland, *Solenopsis invicta* 3569.
characterization, Formicidae 3565.
composition, abdomen/thorax glands *Jadera haematoloma* 275.
defence secretions, pygidial gland, Dytiscidae 2621.
defence secretions, use, attack/feeding, Tenebrionidae 1917.
Dufour's gland, *Anthophora abrupta* 271.
fenchol, *Ceratitis capitata* 276.
glands, characterization, *Bombus atratus* 1730.
4-heptanone/4-heptanol, mandibular glands, *Zacryptocerus varians* 273.
mandibular glands, alarm behaviour *Trigona fulviventris* 1071.
mandibular glands, *Aphaenogaster fulva* / *Xenomyrmex floridanus* 2628.
mandibular glands/Dufour's gland, *Hylaeus modestus* 3564.
neurosecretion, proteins, *Locusta migratoria* 3473.
Plodia interpunctella 987.
pyloric gland, role osmoregulation, *Glomeris marginata* / *Polydesmus angustus* 1720.
salivary gland, *Rhynchosciara americana* larvae 2631.
scent gland accessory gland, *Oncopeltus fasciatus* 2620.
scent glands, *Dysdercus similis* larvae 1722.
waxes, *Anomoneura mori* 2627.
- Sedlacek,**
taxonomy 5848.
- Seira,**
new species, Peru 6596.
new species, Zaire 7304.
- Seira ferrarii,**
habitats, deserts/marine environments 9524.
- Selection,**
alcohol dehydrogenase enzyme polymorphism/ethanol tolerance, population genetics, *Drosophila melanogaster* 2193.
courtship behavioural genetics, *Drosophila melanogaster* 2174.
egg production, *Drosophila melanogaster* 642.
enzyme polymorphism, models, *Drosophila* 3157.
esterase enzyme polymorphism, *Drosophila melanogaster* 2168.
groups, population genetics, *Tribolium castaneum* 2185, 2186.
locomotor activity, behavioural genetics, *Drosophila melanogaster* 2171, 2172, 2173.
pesticide resistance, *Anopheles culicifacies* 307.
population structure effects on, population genetics, *Drosophila melanogaster* 4083.
sexual selection/pair bond, *Chauliognathus pennsylvanicus* 4098.
silk fibres weight, *Bombyx mori* 586.
social organization, population genetics, Hymenoptera 4094.
viability, enzyme polymorphism, population genetics, *Drosophila melanogaster* 1353.
wings length, parental age effects on, *Drosophila melanogaster* 649.
- Selenia bilunaria,**
parthenogenesis 317.
- Selysiothemis nigra,**
migration, Jordan 8645.
- Semiadalia undecimnotata,**
larvae, environmental effects feeding efficiency 1111.
osmoregulation/*Myzus persicae* consumption 9247.
water budget 2619.
- Semidalls,**
check lists/new species, Brazil 2438.
new records, Tunisia 7210.
taxonomy 5957.
- Semidalls angusta,**
mating behaviour 8560.
- Semieutochia,**
new genus, Sri Lanka 1463.
- Semiothisa liturata,**
pupae 5245.
- Senegal,**
Arachis hypogaea nuts, infestations *Caryedon gonagra* 3069.
check lists Ascalaphidae 5210.
check lists/new species Meloidae 7289.
new species Drosophilidae 800.
new species Phoridae 5888.
new species Tipulidae 7323.
voltinism/population dynamics *Amsacta moloneyi* 2813.
- Sennius laminifer,**
biology/morphology 5510.
- Sense organs,**
abdomen, *Toxorhynchites brevipalpis* 223.
antennae, electroantennograms, sex pheromone, *Trichoplusia ni* 2542.
antennae, *Periplaneta brunnea* 3480.
antennae, ultrastructure/role behaviour, *Colias* 1636.
antennae chemoreceptors, sex pheromone response, juvenile hormones analogues effects on, *Choristoneura fumiferana* 221.
antennae sensilla, *Aedes aegypti* 2543.
antennae sensilla, Coccoidea 220.
antennae sensilla, *Pectinophora gossypiella* 934.
antennae sensilla, *Tetrastichus hagenowii* 9185.
antennae sensilla, ultrastructure, *Haematobia irritans* 1626.
antennal sensilla, ultrastructure, *Toxorhynchites brevipalpis* 1633.
cerci, removal effects on response properties-nervous system, *Acheta domestica* 2530.
cerci sensilla, electrical properties, *Periplaneta americana* 7470.
chemoreceptors, distribution/ultrastructure, Lycosidae 1641.
chemoreceptors, Insecta, review 937.
chemoreceptors, mouthparts, *Choristoneura fumiferana* 1637.
chemoreceptors, nerves responsiveness, *Phormia regina* 2523.
chemoreceptors, ultrastructure, Dermestidae 930.
chemoreceptors/mechanoreceptors, *Acheta domestica* 2541.
chemoreceptors/mechanoreceptors, antennae, *Ctenocephalides canis* 4366.
chordotonal organs, *Hemideina femorata* 6775.
compound eyes, development, *Aeshna* 1629.
compound eyes, medulla neurons, visual perception, *Gryllus campestris* 1640.
compound eyes, teratology, *Peripsocus subfasciatus* 3443.
compound eyes, ultrastructure, *Rhodnius* 1631.
compound eyes/optic lobes cells development, *Aeshna cyanea* 219.
compound eyes ultrastructure, diel variations, *Ptiliogyna spectabilis* 1639.

Sense organs.(continued)

- cuticle, head, *Triatoma infestans* 1601.
denervation effects on synapses-inhibition, *Acheta domestica* 2529.
epicuticle, *Oniscus asellus* 1604.
eye, adaptation vision, Insecta, review 1627.
eye, glycogen metabolism, light effects on, *Apis mellifera* 1630.
eye, metarhodopsin photoconversion/electrical properties nerves, *Drosophila* 1635.
eye, nerves response, visual stimuli, Diptera 2545.
eye, photoreceptors identification, methodology, *Musca domestica* 1549.
eye, photoreceptors pigments electrical properties, *Calliphora* 1632.
eye, proteins, *Apis mellifera* 933.
eye, ultrastructure, *Apis mellifera* 2544.
eye, visual perception colour, Hymenoptera 2546, 2547.
eye coloration, genes, *Spodoptera littoralis* 3130.
ocelli, visual perception colour, *Papilio xuthus* 3479.
photoreceptors, eye, *Sarcophaga bullata* 2549.
photoreceptors mutants, mate selection, *Drosophila melanogaster* 2176.
proprioceptors, abdomen, Odonata 7477.
role maze learning *Lepisma saccharina* 1874.
sensilla, antennae/palps, *Mansonina* 935.
sensilla, leg, *Zygiella x-notata* 218.
sensilla, mouthparts, *Agabus bipustulatus* /*Hydrobius fuscipes* 4367.
sensilla innervation, mouthparts, *Ctenicera destructor* larvae 1622.
sensilla ultrastructure, antennae, *Melipona quadrifasciata* 936.
sex pheromone receptors, *Dacus tryoni* 9172.
taste receptors, evolution, Insecta, plant extracts effects on 972.
tegula, ultrastructure, *Locusta migratoria* 2548, 3481.
Senses,
antennae sense organs, *Tenebrio molitor* 8385.
antennae sensilla, *Locusta migratoria* 9183.
antennal chemoreceptors, blood meals effects on, *Aedes aegypti* 6768.
antennal chemoreceptors, *Bombyx mori* 6767.
antennal chemoreceptors, Campodeidae 5275.
antennal chemoreceptors/labellar chemoreceptors, *Calliphora vicina* 6766.
auditory perception, nerves, *Gryllus campestris* 7476.
auditory perception, *Teleogryllus oceanicus* 7671.
balance/orientation, nerves, *Anax junius* 8380.
balance sense organs, pollen baskets, *Apis mellifera* 8373.
cerci ensilla, electrical properties, *Periplaneta americana* 7471.
chemoreception, feeding, *Oxyrhachis tarandus* 6968.
chemoreception, plant chemicals role, Acrididae 9438.
chemoreception/vision, trail following behaviour, *Camponotus modoc* 6927.
chemoreceptors, ammonia, *Rhipicephalus sanguineus* 5263.
chemoreceptors, Arthropoda, review 5274.
chemoreceptors, leg, *Calliphora vicina* 6771.
chemoreceptors, sensilla, *Dendroctonus ponderosae* 7479.
chemoreceptors, wings, *Phormia regina* 5277.
chemoreceptors mouthparts/food preferences, evolution 7174.
chordotonal organs, labial palps, *Pieris rapae* 5267.
chordotonal organs, leg, *Anax imperator* 6776.
colour vision, nerves, *Apis mellifera* 9174.
colour vision, role optic lobes, *Apis mellifera* 216.
compound eyes, *Diatraea saccharalis* 9184.
compound eyes, mechanisms, Insecta 7472.
compound eyes, physiology, *Cataglyphis bicolor* 5266.
compound eyes, *Spodoptera exempta* 9176.
compound eyes basement membranes, Insecta 8371.
compound eyes/ocelli, photosensitivity, *Bombus hortorum* 5264.
compound eyes/ocelli sensitivity, *Cataglyphis bicolor* 931.
compound eyes sensilla, role grooming, *Sphodromantis lineola* 8378.
cuticle receptors, ultrastructure, Culicidae 7469.
cuticle sense organs, *Acheta domestica* 8381.
direction, role cerci nerves, *Acheta domestica* /*Gryllus bimaculatus* 2540.
electroantennograms, equipment 5230.
electroantennograms, plant chemicals *Lycopersicon esculentum* /*Nicotiana tabacum* . *Manduca sexta* 4682.
electroantennograms, plant extracts, *Psila rosae* 929.
electroantennograms, sex pheromone analogues response, *Periplaneta americana* 1697.
electroantennograms, sex pheromones, *Plodia interpunctella* 2603.
eye, colour patterns, taxonomic significance, Tabanidae 7321.
eye, optomotor response, *Apis mellifera* 6013.
eye, potassium transport, *Apis* 6014.
eye, rhabdom, *Apis mellifera* 8382.
eye, rhabdom, Diptera 9177.
eye, ultrastructure, *Bibio marci* 8376.
eye coloration, development, *Ceratitis capitata* pupae 7417.
eye pigments, phototaxis, Lepidoptera 6019.
eye structure, *Arachnocampa luminosa* 4373.
feeding deterrents, *Spodoptera exempta* 8375.
galea chemoreceptors, *Entomoscelis americana* 5273.
genitalia photoreceptors, *Papilio xuthus* 4370.
gustatory stimuli, methyl glycosides, *Musca domestica* /*Periplaneta americana* 8377.
habituation, diel variations, *Calliphora vomitoria* 8386.
hearing, nerves integration, *Gryllus bimaculatus* 3469.
Johnston's organ, sex differences, *Neodiprion sertifer* 8379.
Johnston's organ, *Simulium vittatum* 6016.
labellar chemoreceptors, *Protoperla terraenovae* 6020.
labellar chemoreceptors, taste discrimination, *Calliphora vicina* 6769.
light polarization, locomotion balance/orientation, *Drosophila melanogaster* 6018.
maxillary palps sensilla, *Dermestes maculatus* /*Tenebrio molitor* 8372.
mechanoreceptors electrical properties, leg *Schistocerca gregaria* 5265.
ocelli, acetylcholinesterase, *Apis mellifera* 6762.
ocelli, acetylcholinesterase activity, *Apis mellifera* 6009.
ocelli, role flight equilibrium, *Hemicordulia tau* 6770.
ocelli, ultrastructure, *Menues* 4372.
ocelli nerves, *Aeshna tuberculifera* /*Anax junius* 5269.
olfaction, carbon dioxide, *Amblyomma* /*Dermacentor variabilis* 5278.
olfaction, classical conditioning, *Musca domestica* 2773.
olfaction, eggs/plant extracts, *Pieris brassicae* 5272.
olfaction/vision role, alarm behaviour, Formicidae attack, *Protopolybia exigua* 2821.
olfactory discrimination learning, *Periplaneta americana* 5468.
optomotor response, flight *Drosophila hydei* 2554.
orientation olfactory stimuli, conditioning, *Blaberus craniifer* 7672.
ovipositor sensilla, *Chilo partellus* /*Spodoptera littoralis* 6017.

Senses,(continued)

- pheromones chemoreceptors, Insecta 5270.
 pheromones receptors, plants odours effects on, *Yponomeuta* 6249.
 photoreceptors, *Aedes aegypti* 8374.
 photoreceptors, compound eyes, *Boettcherisca peregrina* 6772.
 photoreceptors, effects on social organization, *Polistes* 9642.
 photoreceptors, ions channels, *Locusta migratoria* 6773.
 photoreceptors morphogenesis, *Tenebrio molitor* 7473.
 photosensitivity, cuticle, *Cataglyphis bicolor* / *Messor* 4371.
 photosensitivity, lobula plate neurones, *Lucilia sericata* 6774.
 pyranose sugars receptors, mutants, *Drosophila melanogaster* 8846.
 radiation (i.r.) perception, *Melanophila acuminata* 932.
 response gustatory stimuli, *Yponomeuta* hybrids 5745.
 retina pigments, light adaptations, trp mutant, *Drosophila melanogaster* 8837.
 scolopale organ, leg, *Gryllus bimaculatus* / *Phaeophilacris spectrum* 9179.
 sense organs, antennae, *Cassida viridis* 9181.
 sense organs, antennae, *Encarsia* 9178.
 sense organs, appendages, *Thermobia domestica* 9298.
 sense organs, leg, *Gryllus bimaculatus* / *Phaeophilacris spectrum* 9180.
 sense organs, role, flight, *Apis mellifera* 9173.
 sensilla, antennae, Hymenoptera 7474.
 sensilla, labium, *Dysdercus intermedius* 7478.
 sensilla, maxillary palps, Coleoptera 9175.
 sound communication, nerves, *Tettigonia cantans* 6015.
 stereospecificity sugar receptors, labella, *Boettcherisca peregrina* 9182.
 sugar receptors, α -glucosidase, *Protophormia terraenovae* 6763.
 tarsal chemoreceptors, legs transplants, *Sarcophaga bullata* 8384.
 tarsal chemoreceptors, sugars, *Pieris rapae* 8383.
 taste, feeding threshold, *Phormia regina* 4379.
 taste, phylogeny, *Yponomeuta* 7991.
 taste, sodium chloride/sugars, *Drosophila melanogaster* 2551.
 taste perception, labellar chemoreceptors, papain effects on, *Drosophila melanogaster* 8367.
 taste receptors, *Phormia regina* 4369.
 taste sensitivity, *Spodoptera exempta* 938.
 taste discrimination, food preferences, Acrididae 6765.
 ultrasound, *Decticus verrucivorus* / *Locusta migratoria* / *Tettigonia cantans* 5271.
 vibratory stimuli, nerves, *Nezara viridula* 5276.
 vision, attractants, traps, Culicidae 3011.
 vision, medulla, *Calliphora vicina* 2533.
 vision, nerves, interactions flight, *Schistocerca gregaria* 2518.
 vision, nerves development, *Manduca sexta* 8370.
 vision, optic ganglion nerves, *Apis mellifera* 8363.
 vision, tracking, *Tenodera australasiae* 5268.
 vision, visual perception flicker, *Drosophila* 1634.
 visual perception, *Apis mellifera* 222.
 visual perception, drones *Apis mellifera* 224.
 visual perception, jumping, *Phaulacridium vittatum* 1638.
 visual perception, orientation, *Lethrus apterus* 7468.
 visual perception colour, *Apis mellifera* 3699.
 visual preferences colour, relationship feeding behaviour, Tabanidae 3724.
 visual stimuli, flight orientation, Calliphoridae 3482.
 visual stimuli, orientation, *Periplaneta americana* 8565.
 visual stimuli flight orientation, *Calliphora erythrocephala* 2765.
 visual stimuli flight orientation, *Syrirta pipiens* 2766.
Sepsidae,
 biology 9515.
 taxonomy 3357.
 zoogeography, Australia 724.
Sergentomyia,
 vectors viruses, Malaysia 3247.
Sericesthis geminata,
 damage/pest status, grasslands 3940.
Sericesthis nigrolineata,
 population dynamics, mathematical models 3885.
Sericothrips,
 taxonomy 1531.
Sesamia,
 pest status/parasitism, *Saccharum officinarum*, Ghana 6368.
 population dynamics/pest status, Israel 3850.
Sesamia calamistis,
 mass rearing/life cycles 2462.
Sesamia cretica,
 parasitism 6840.
Sesamia inferens,
 occurrence/mortality, crop residues 3988.
 parasitism 6227.
 pest resistance *Eleusine coracana* 7774.
Sesia andrenaeformis,
 taxonomy 5206.
Sesiidae,
 attractants 2601.
 bibliography, Nearctic Region 3989.
 biology 8573.
 bionomics 5482.
 chemical control 9603.
 life cycles 4613, 4647.
 populations 7024.
 taxonomy 5206, 5207.
Setacera pilicornis,
 first record, USA Georgia 715.
Seitens,
 new species, Japan 2343.
Setoptus jonesi,
 feeding/pest status, *Pinus radiata* 9590.
Sex,
 effects on β -N-acetylglucosaminidase activity, *Sitophilus oryzae* 2583.
 effects on circadian rhythms feeding behaviour, *Diplonychus indicus* 2556.
 effects on metabolic rate, *Alaskozetes antarcticus* 251.
 esterase/acetylcholine, *Philosamia ricini* 3540.
 sex differences fat body histochemistry, *Bombyx mori* 3542.
 sex differences mutagenesis, *Drosophila melanogaster* 1030.
 sex differentiation, *Chalcodermus aeneus* 4336.
 sex differentiation, larvae, *Hyalophora gloveri* / *Antheraea polyphemus* 196.
 sex differentiation, methodology, *Coccinella septempunctata* 2464.
 sex differentiation, *Pterotermes occidentis* / *Marginitermes hubbardi* 2474.
 sex differentiation, review, Hymenoptera 7911.
 sex differentiation, *Rhyzopertha dominica* 6721.
 size, sexual selection, *Nephila clavipes* 2758.
 social organization, selection, population genetics, Hymenoptera 4094.
Sex determination,
 chromosomes regions, *Chironomus* 620.
 genes, *Drosophila melanogaster* 604.

Sex determination,(continued)

kinoprene effects on, *Myzus persicae* 3648.

Sex ratios,

Armadillidium vulgare 2923.

Calopteryx 2913.

D gene/translocations effects on, *Aedes aegypti* 2125.

diets effects on, *Dacus dorsalis* 238.

hosts sex effects on, *Gonia cinerascens* 3764.

oviposition behaviour/hosts density effects on, *Trissolcus grandis* 1859.

polymorphism, chromosomes, *Drosophila pseudoobscura* 643.

population density/migration effects on, *Colias lesbia* 641.

population genetics, *Tribolium castaneum* 2182.

radiation (γ) effects on, *Ephesia cautella* 1041.

Spilopsyllus cuniculi, rearing 3736.

Spodoptera littoralis, Israel 1066.

Spodoptera littoralis strains 4082.

Syntomis fortunei 1885.

***Sextius virescens*,**

biology/natural enemies, Australia Acacia 1094.

Sexual dimorphism,

Notocera brachycera 824.

Sosylus 2316.

Seychelles,

check lists Amblypygi/Scorpiones 5759.

check lists Araneidae 5760.

check lists/new species Ochyroceratidae/Telemidae 5071.

new species/check lists Diplopoda 5220.

new species Dytiscidae 1451.

new species Eucolidae 5166.

new species/new records Palpimanidae 5073.

new species/new records Protura 2440.

new species/new records Scarabaeidae 5112.

new species Tethinidae 6626.

***Seychellia*,**

new species, Seychelles 5071.

***Seydelia*,**

taxonomy 7368.

***Shaerophoria*,**

taxonomy/geographical distribution, Belgium 5129.

***Shamala*,**

new genus, India 2390.

***Shannonomyia*,**

new species, Ecuador 1488.

new species, Neotropical Region 1487.

***Shunsennia*,**

taxonomy 5814.

***Siagoninae*,**

geographical distribution/phylogeny, Ethiopian Region 1399.

***Sialidae*,**

eggs 920.

new records, USA Mississippi 8073.

new records/habitats, USA New Jersey 9754.

***Sialis*,**

eggs ultrastructure/oviposition/hatching 920.

new records, USA Mississippi 8073.

***Sialis joppa*,**

first record/habitats, USA New Jersey 9754.

***Sibinia*,**

taxonomy 1449.

***Sicariidae*,**

new species, Namibia 4171.

taxonomy 5076.

***Sicarius*,**

taxonomy 5076.

***Sichotanus mandshuricus*,**

first record, Korea, Dem. People's Rep. 1536.

***Sicily*,**

first record *Medetera roghii* 7195.

first record/pest status/chemical control *Aphanostigma piri* 677.

new records Aphodiidae 4109.

new species Dasytidae 1450.

***Siculobata sicula*,**

first record, Egypt, Arab. Rep. 1421.

***Sigara*,**

new species, Argentina 5135.

population growth/succession (ecological) 7811.

***Sigara falleni*,**

diel periodicity feeding 2825.

***Sigara striata*,**

stridulation 2635.

***Sigmoria lator*,**

gonopods development 3440.

***Silana*,**

immature stages 2475.

***Silk*,**

+ apparatus, morphology, Trichoptera 182.

biosynthesis, Bombycidae, review 3088.

inhibition production, *Heterorhabditis bacteriophora* +

Xenorhabdus luminescens, *Galleria mellonella* 284.

***Silo pallipes*,**

parasitism 429, 6229.

***Silpha obscura*,**

evolution/zoogeography 2334.

***Silphidae*,**

check lists/new records, Korea, Dem. People's Rep. 3202.

evolution 2334.

new records, USA 8933.

taxonomy 2335.

***Silvanidae*,**

development 7579.

new records, British Isles Sussex 4979.

taxonomy 790.

***Silvanus bidentatus*,**

first record, British Isles Sussex 4979.

***Silvestridia hutani*,**

first record, Seychelles 2440.

***Simaethis sapporensis*,**

taxonomy 8278.

***Simognathus*,**

new species, USA 2276.

***Simuliidae*,**

ageing methods 1553.

behaviour 3720.

biological control 3908.

biological control/pollution effects 5667.

biting behaviour 420.

check lists/life cycles, Norway 7687.

check lists/pest status, Austria 8699.

chemical control 4784, 8722, 9569.

communities 8787.

development 2690, 8697.

ecology 2116, 7040, 9520.

fauna, rivers, Poland 4853.

fecundity 9574.

feeding 1920, 1921, 6970, 8607, 9573.

host selection 437.

hybrids 8861.

immature stages 7442, 8340.

larvae, feeding behaviour 2827.

larvae, food bacteria 2824.

Simuliidae, (continued)

life cycles 1877, 5488.
 life cycles/geographical distribution 4641.
 migration 5579.
 new species, Guatemala 5896, 6621.
 new species, Japan 5894, 5895, 6622.
 new species/new records, Ivory Coast 2369.
 pathology 2655, 5366, 6850, 7552.
 pest control 7842.
 pesticide resistance 3606, 6095.
 pests 8695.
 pests, cattle 2025.
 pollution 4465.
 populations 6711.
 predation 5725.
 protozoa 3592.
 protozoa infection 1744.
 rearing 6724, 9125.
 repellents 5329.
 reproduction 4523, 6116, 7027.
 seasonal variations 9582.
 sense organs 6016.
 taxonomy 1486, 3358, 6623, 6624, 7316, 7317.
 toxicity insecticides/behaviour 6873.
 toxicity methoxychlor 9285.
 traps 8318.
 vector-borne diseases 4800, 6959, 8711, 8721, 9584.
Simulium,
 biting behaviour, seasonal variations/circadian rhythms, Brazil 3720.
 development, food availability/temperature effects 6897.
 feeding rates, food composition effects on 8607.
 gonotrophic cycles 6116.
 host selection 437.
 life cycles, environmental factors 5488.
Neoaplectana carpocapsae pathogenicity 5366.
 new species, Guatemala 5896, 6621.
 new species, Ivory Coast 2369.
 pesticide resistance, Ivory Coast 3606.
Pleistophora simuli -infection, Argentina/Chile 3592.
 predation 5725.
 rearing 9125.
 taxonomy 6624, 7316, 7317.
 temephos resistance 6095.
 transmission *Leucocytozoon smithi* 8711.
 transmission *Mansonella ozzardi*, Brazil 9584.
Simulium bernerii,
 first record, Ivory Coast 2369.
Simulium damnosum,
 ageing methods 1553.
 chemical control 4784.
 epidemiology onchocerciasis, Nigeria 8721.
 feeding rates, age effects/environmental effects 1920.
 feeding rates/volume, age effects 1921.
 larvae, food particle size 6970.
 Mermithidae infection 2655.
 population levels/biting behaviour, insecticides effects on 8722.
 size, seasonal variations, Ivory Coast 9582.
 toxicity chlorpyrifos-methyl/food selection 6873.
Simulium decorum,
 rearing 6724.
Simulium jenningsi,
 reproduction/feeding/diel variations 4523.
Simulium luggeri,
 larvae 8340.

Simulium lumbwanum,
 new subspecies, Ivory Coast 2369.
Simulium ochraceum,
 chemical control 9569.
 feeding, intake *Onchocerca volvulus* 6959.
 gonotrophic cycles/survival 7027.
Simulium ornatipes,
 osmoregulation, zinc pollution effects 4465.
Simulium ovazzae,
 new subspecies, Ivory Coast 2369.
Simulium sirbanum,
 immature stages, development 2690.
Simulium spinibranchium,
 taxonomy 6623.
Simulium tescorum,
 life cycles/geographical distribution, USA California 4641.
Simulium venustum,
 distribution, environmental effects 2116.
 flight/attractants/biting behaviour 420.
 transmission *Dirofilaria ursi* 4800.
Simulium verecundum,
 distribution, environmental effects 2116.
Simulium vittatum,
 fecundity 9574.
 feeding 9573.
 Johnston's organ 6016.
 pathology *Bacillus thuringiensis* 6850.
 repellents, bioassays 5329.
 susceptibility *Neoaplectana carpocapsae*, age effects 7552.
Simyra albovenosa,
 polymorphism, melanism 1348.
Sinea,
 flight, altitude/seasonal variations 9425.
Singapore,
 new species Cicadellidae 8236.
Singhalophorus,
 taxonomy 6551.
Sinopia,
 new genus, Brazil 817.
Sinotetranychus,
 new genus, China, People's Rep. 5058.
Sintor,
 new species, Japan 2301.
Sipha flava,
 feeding/oviposition behaviour, *Panicum miliaceum* 9476.
Siphonuridae,
 pollution 8767.
 taxonomy 81, 6630.
Siphonurus,
 larvae, taxonomy 6630.
Siphonurus aestivalis,
 larvae, head 8330.
Siphurella,
 taxonomy 81.
Siphonaptera,
 estimation population levels, infestations *Rhombomys opimus* 1125.
 feeding 3427.
 parasitism 4675, 6985, 7749, 7751.
 parasitism birds, USA Alaska 4676.
 parasitism mammals, Poland Beskid 446.
 pesticide resistance 8480.
 pests 8718.
 population dynamics/coevolution, parasitism *Glaucomys volans* 1932.
 zoogeography 5787, 8015, 9755.

- Siphonini**,
taxonomy 5132.
- Sipora** L.,
new subspecies Nymphalidae/Lycaenidae 113.
- Sirex noctilio***,
population dynamics/biological control 5705.
- Siricidae**,
biological control 5705.
new records, Germany, Fed. Rep., Rheinpfalz 4116.
- Sironidae**,
new species, Australia 5826.
- Sitobion avenae***,
abundance/distribution, seasonal variations 8676.
alary dimorphism, *Avena byzantina* /Insecta effects on 2881.
parasitism 5158.
pest resistance *Triticum* /*Hordeum* 2896.
pest status/chemical control, *Triticum* 545.
population development, growth regulators effects on 6141.
population levels, weather 7029.
reproduction, host plants nutrition effects on 4690.
transmission barley yellow dwarf virus 1954, 6259.
- Sitona***,
pest resistance *Pisum* 7896.
taxonomy 5095.
- Sitona hispidulus***,
life cycles 1892.
migration 6262.
oviposition, environmental factors 5413.
- Sitona humeralis***,
biology/pest status, New Zealand 3745.
life cycles/reproduction 7700.
- Sitona lineatus***,
gut, assimilation *Rhizobium leguminosarum* 9195.
pest resistance *Pisum* 2858.
pest resistance *Pisum sativum* 8625.
- Sitophilus***,
cold acclimation 5339.
- Sitophilus granarius***,
feeding, phagostimulants 9443.
reproduction, starvation effects on 1821.
salts effects on longevity/reproduction 1800.
- Sitophilus oryzae***,
 β -N-acetylglucosaminidase activity 2583.
chemical control 3983.
control, use diatomaceous earth 6340.
growth regulators 5405.
pest resistance *Sorghum bicolor* stored products 2883.
pest status, *Ceratonia siliqua* 7895.
pest status, stored products 3064.
sex pheromone, production/response 8567.
susceptibility chitin inhibitors 1049.
toxicity fumigants 9290.
toxicity insecticides, steroids effects on 8470.
- Sitophilus zeamais***,
chemical control 554, 3962.
damage/pest status, stored products *Zea mays* 3049.
development, diet effects on 316.
infection bacteria 5541.
locomotor activity 7701.
mixed populations *Sitotroga cerealella*, population growth 493.
pest resistance *Zea mays* 7760.
population dynamics, competition *Sitotroga cerealella* 7010.
residual effects permethrin 8479.
Sorghum stored products susceptibility 1233.
symbionts, temperature effects 5224.
- transmission *Aspergillus flavus* 9634.
- Sitotroga cerealella***,
biological control 3034.
chemical control 3962.
cultural control 554.
infestations, stored products, Sri Lanka 4824.
locomotor activity 7701.
mixed populations *Sitophilus zeamais*, population growth 493.
oocytes degeneration 4559.
oviposition/development, host preferences, *Oryza sativa* 2863.
parasitism 9458.
population dynamics, competition *Sitophilus zeamais* 7010.
sex pheromone 6053.
sex pheromone response, environmental factors 6054.
susceptibility chitin inhibitors 1049.
toxicity methyl bromide 1768.
- Sitticus niveosignatus***,
first record, Nepal 5028.
- Sivacrypticus***,
revision 4216.
- Size**,
host plants effects on, Noctuidae 9142.
isolation/association host plants, *Alagoasa bicolor* 3831.
length-weight relationships/biomass, Insecta, aquatic environments 2495.
prey, effects on *Geocoris punctipes* predatory behaviour 2930.
quantitation engorgement, *Dermacentor variabilis* 1547.
relationship desiccation tolerance, *Zaprionus* 4757.
seasonal variations, *Polistes gallicus* 204.
seasonal variations, *Simulium damnosum*, Ivory Coast 9582.
sexual selection, *Nephila clavipes* 2758.
- Skeleton**,
collagen biosynthesis/secretion, *Thermobia domestica* 5318.
- Skleroprotopus stmliserratus***,
first record, Korea, Dem. People's Rep. 1536.
- Skwala parallela***,
life cycles/production, USA Colorado, streams, montane environments 1899.
- Smerinthus ocellata***,
geographical distribution, Spain 1389.
- Smicronyx commixtus***,
life cycles 7699.
- Smicronyx fufvus***,
chemical control/damage *Helianthus annuus* seeds 2062.
- Smileycheles***,
new genus, Cameroon (United Rep.) 5051.
- Sminthuridae**,
parasitism 4671.
- Smittia***,
embryogenesis, tubulin biosynthesis 7590.
embryos, actin ribonucleoprotein (messenger) 2123.
embryos, radiation (u.v.), mRNA inactivation 4879.
embryos, radiation (u.v.) effects on development 8516.
embryos, ribonucleoproteins, translation 6125.
yolk glycoproteins, bound nucleosides 7644.
- Smodicinus***,
taxonomy 4174.
- Snares Is.**,
check lists Chironomidae/Ceratopogonidae 2351.
- Society Is.**,
biology/ecology/pest status *Culicoides belkini* 2013.
breeding sites/control *Culicoides belkini* 4781.
check lists Staphylinidae 6474.

- Sodium chloride**,
effects on development/survival, *Aedes* larvae 1805.
- Sodium fluoride**,
anti-mutagenesis, *Drosophila* 1038.
- Sodium nitrate**,
effects on oogenesis, *Habrobracon* 4541.
- Sogatella furcifera***,
attractants, *Oryza sativa* plant chemicals 9490.
biology 6934.
meiosis, chromosomes 8823.
pest resistance *Oryza sativa* 8633.
pesticide resistance/polymorphism 558.
rearing, artificial diets 4323.
- Soil**,
Carabidae/Staphylinidae fauna, Germany, Fed. Rep.
Westphalia 3193.
check lists Acaridae, forests, Belgium 2272.
collection methodology *Rhyacionia* pupae 170.
community composition Coleoptera, insecticides effects on,
orchards 3115.
distribution *Costelytra zealandica* populations,
mathematical models 3895.
ecology Collembola, forests 3996.
effects on distribution *Solenopsis invicta* 579.
Pinus forests, spatial distribution Collembola populations
490.
sampling Scarabaeidae 3869.
soil moisture effects on emergence, *Curculio caryae* 1029.
soil moisture effects on oviposition site selection, *Delia
antiqua* 1032.
soil moisture effects on oviposition site selection, *Aedes
vexans* 1067.
soil moisture effects on oviposition/survival, *Phyllophaga
crinita* 1876.
soil moisture/temperature effects on activity, *Aphodius
tasmaniae* larvae 3418.
soil pH effects on population growth, Acari/Collembola 3112.
soil pH effects on soil microorganisms, *Pinus sylvestris*
forests 3114.
spatial distribution *Platyleura kaempferi* larvae 3113.
- Solamegilla***,
new genus 2398.
- Solenobia***,
new species, Finland 5202.
- Solenobiinae**,
check lists, Finland 5202.
- Solenopotes ferrisi***,
parasitism *Odocoileus* 439.
- Solenopsis***,
control 3015.
cuticle, lipids 6005.
rearing equipment 3434.
- Solenopsis geminata***,
cultural control 3081.
predation *Nilaparvata lugens* 2946.
- Solenopsis invicta***,
anatomy, larvae 1591.
artificial diets 176.
castes, glands, head 272.
chemical control 6343.
crop anatomy 2574.
distribution, soil effects on 579.
population density/starvation effects on trophallaxis 5715.
post-pharyngeal gland 6070.
post-pharyngeal gland, secretions, biosynthesis 3569.
queen pheromone glands 7532.
reproductive strategy 9302.
sampling equipment 2447.
social organization, age 8779.
toxicity amidinohydrazones 9286.
workers, digestion/nutrition 8418.
- Solenopsis papuana***,
new records, introduced species, New Zealand 6487.
- Solenopsis richteri***,
toxicity phosphorothionates 2683.
- Solifugae**,
behaviour 4645.
communities 5589.
habitat preferences 4761.
new records, Portugal 7186.
reproductive systems 7582.
taxonomy 8961.
- Solomon Is.**,
check lists Papilionidae 7180.
new species Cercopidae 6641.
new species Cicadellidae 1497.
new species Hydrophilidae 7286.
new species Pteromalidae 7363.
- Solter**,
taxonomy 7395.
- Somali Dem. Rep.**,
new species Ceraphronidae 2397.
new species Megaspilidae 6664.
new species Scarabaeidae 789.
new species Ctenidae 5066.
new species Acrididae 8288.
- Somaechlora graeseri***,
geographical distribution, USSR Siberia 5776.
- Somatophia**,
revision, USA/Mexico 5948.
- Sonia**,
new species, USA 866.
- Sonia filiana***,
larvae/host plants 7438.
- Sophira***,
revision 4241.
- Sophrorhinus gbanjaensis***,
development/reproduction, radiation (γ) effects on 5415.
- Soriculopus***,
new genus, Nepal 3273.
- Sosylus**,
larvae 1568.
new species/geographical distribution/sexual dimorphism,
Papua New Guinea/West Irian 2316.
- Sound production**,
Amara familiaris 4482.
analysis, *Gryllus bimaculatus* 159.
auditory perception, analysis, *Gryllus campestris* 6839.
behavioural genetics, *Drosophila melanogaster* 4943.
Conotrachelus nenuphar 6077.
- Corixa*** 8566.
courtship, behavioural genetics, *Drosophila* 1334.
courtship, *Drosophila* 2767.
courtship song variation, behavioural genetics, *Drosophila
mercatorum* 7159.
- Deinacrida rugosa*** 6078.
disruption communication/mating, *Amrasca devastans* /
Nilaparvata lugens 1871.
drumming, *Isoperla* 7689.
energetics, *Cystosoma saundersii* 8447.
Heteropoda venatoria 1735.

Sound production,(continued)

Heteroptera 8448.

Leperisinus 5354.*Leptophyes punctatissima* 368.mating behaviour, *Culex quinquefasciatus* 6925.mechanisms, *Glossina* 5355.*Odontotaenius zodiacus* 7538.role, courtship, *Nasonia vitripennis* 1863.song, geographical variation, *Pterophylla camellifolia* 7836.song analysis/mathematical models, *Locusta migratoria* 5353.

song ultrasonics, Tettigoniidae 7540.

sound characteristics flight, taxonomic significance,

Chironomidae 76.

stridulation, role spatial distribution, *Mygalopsis* 3702.stridulation, *Sigara striata* 2635.

stridulatory apparatus, Alydidae 7539.

stridulatory apparatus, *Kempia shankari* 1734.

ultrasound, Hydropsychidae larvae 2636.

workers *Apis* 6380.**South Africa,**

check lists/hosts Chalcidoidea, economic importance 9074.

forests, pests, review 1260.

natural enemies *Heteronychus arator* 3868.

new species Arrenuridae 6.

new species Asilidae 3339.

new species Carabidae 5083, 7269.

new species Ceratocanthidae 776.

new species Ceratopogonidae 3344, 5878.

new species Cicadellidae 4256.

new species Cunaxidae 8965.

new species Cunaxiidae 8964.

new species Diastatidae 4231.

new species Elateridae 1452.

new species Geometridae 4280.

new species Histeridae 6578.

new species Lycaenidae 122, 7378.

new species Lycosidae 6559.

new species Nemopteridae 4294.

new species/new records Scorpiones 7265.

new species Notonectidae 1494.

new species Satyridae 864.

new species Scarabaeidae 8153.

new species Scydmaenidae 8156.

new species Tachinidae 7322.

new species Therevidae 2377.

new species *Argyrocupha malagrida* 7376.new subspecies *Oedaleus plenus* 8288.pesticide resistance *Boophilus microplus* 2666.revision *Cryptotermes* 5026.**South Africa Transvaal,**melanism, *Chlorolestes fasciata* 5750.**South Orkneys,**new records *Nanorchestes antarcticus* 4977.**South Shetland Is.,**

new species Neanuridae 7305.

South West Africa,

new species Calliphoridae 797.

Southeast Asia,

new species Pseudococcidae 5152.

***Spaletis suecica*,**

first record, Denmark 1377.

Spain,

check lists, Chironomidae 8033.

check lists Chironomidae 5006.

check lists *Omalus* 5010.check lists *Phytoecia* 4998.

check lists Psocoptera 7214.

check lists Tabanidae 7196.

first record *Borkhausenia nefrax* 9738.first record *Bruleia parviguttata* 3236.first record *Contopteryx arcuata* 5020.first record *Elfia abnormis* 806.first record *Haemodipsus lyriocephalus* 1931.first record *Laemobothrion vulturis* 5018.first record *Teloclerus compressicornis* 3200.geographical distribution *Acherontia atropos* 8051.geographical distribution *Herse convolvuli* 9739.geographical distribution *Laothoe populi* /*Marumba quercus* 699.geographical distribution *Mimas tiliae* 1385.geographical distribution *Smerinthus ocellata* 1389.

keys Ixodoidea 2213.

Mallophaga parasites *Turdus philomelos* 1524.new records *Horisme* 6515.

new records Ceratopogonidae 5005.

new records *Diplacodes lefebvrei* 5023.new records *Idaea hispanaria* 1390.

new records Neuroptera 7209.

new records Trichodectidae 7206.

new species Acari 1420.

new species Acaridae 5800.

new species Bucculatricidae 7370.

new species Carabidae 42, 43, 3302.

new species Catopidae 5087.

new species Chrysomelidae 47.

new species Coleophoridae 3385.

new species Cryptophagidae 49.

new species Dysderidae 6358.

new species Geometridae 2427.

new species Leptoceridae 156.

new species Linyphiidae 5822.

new species Liposcelidae 6699.

new species Listrophoridae 2279.

new species Myrmosidae 5939.

new species/new records Orthoptera 5959.

new species Oppiidae 6549.

new species Pselaphidae 3238.

new species Psyllidae 5154.

new species Pyralidae 7386.

new species Rhinonyssidae 1427.

new species Scarabaeidae 9021.

new species Scelionidae 840.

new species Staphylinidae 2341.

new species Tortricidae 8281.

new subspecies Cerambycidae 3308.

new subspecies Lepidoptera 2420.

new subspecies *Pachygastris trifolii* 7375.new subspecies *Tenthredo atra* 107.new subspecies *Zygaena rhadamanthus* 135.phenology/geographical distribution *Ctenocarabus**galicianus* 2800.**Spain Andalusia,**

check lists Eumenidae 7202.

Spain Coto Donana,

check lists Orthoptera 5959.

Spain El Pardo,

check lists Coccinellidae 7191.

Spain Extremadura,

check lists Eumenidae 7202.

Spain Huelva,

check lists Lepidoptera 1387.

Spain Huelva/ Cadiz,biology *Pachygastris trifolii* 3232.

- Spain Huesca**,
check lists Lepidoptera 701, 702.
- Spain Leon**,
check lists Lepidoptera 703.
- Spain Murcia**,
Lepidoptera fauna 705.
- Spain Navarra**,
check lists Dermaptera 7194.
new records, Lepidoptera 3233.
- Spain Oviedo**,
check lists Lepidoptera 703.
- Spain Pyrenees**,
check lists Microlepidoptera 5016.
- Spain Segovia**,
check lists Noctuidae 700, 1386, 1391.
- Spain Sierra de Albarracin**,
check lists Lepidoptera 3231.
- Spain Sierra de Gredos**,
check lists/ecology Collembola 6506.
- Spain Sierra Nevada**,
check lists Noctuidae 3230.
- Spain Sierra Tejada**,
Lepidoptera check lists 704.
- Spain Toledo**,
check lists Neuroptera 7208.
- Spain Zaragoza**,
check lists Mallophaga 7207.
- Spalangia**,
control/parasitism *Musca domestica* 1119.
- Spalangia endius**,
biological control *Musca domestica* /*Stomoxys calcitrans* 535.
parasitism *Musca domestica* 9580.
- Sparasion**,
new species, India 8254.
- Sparassidae**,
sound production 1735.
- Sparganothis**,
sex pheromone 4459.
- Spartacus**,
new species, Brazil 5912.
- Spathosternum prasiniferum**,
mutagenesis mercuric chloride, chromosome aberrations 8835.
- Speciation**,
Chrysopa 2754.
courtship behaviour, *Pardosa laura* 1057.
population genetics, *Drosophila melanogaster* 3178.
- Speleorodens clethrionomys**,
infestations *Mesocricetus auratus* 2042.
- Speluncarius**,
new species, Italy 5843.
- Spelyngochthonius**,
taxonomy 7261.
- Speocera**,
new species, Brazil 1429.
new species, Seychelles 5071.
taxonomy 5072.
- Speocharis**,
new species, Spain 5087.
- Speolepta leptogaster**,
first record, Poland 2224.
- Sperchon**,
taxonomy 7247.
- Sperchonidae**,
taxonomy 7247.
- Spermatogenesis**,
chromosome aberrations, radiation (γ), *Philosamia ricini* 2723.
diapause, *Eurygaster integriceps* 3678.
diapause, *Papilio xuthus* 3663.
Insecta, review 1054.
membrane biosynthesis, *Conocephalus saltator* 1053.
Scaptotrigona postica 1830.
spermatozoa, ultrastructure/motility, *Aspidiotus perniciosus* 1837.
spermatozoa cytochemistry, Acrididae 208.
ultrastructure, *Leptocoris irivittatus* 321.
ultrastructure, spermatozoa, *Melipona quadrifasciata* 4574.
- Spermatophores**,
formation, *Leucania separata* 363.
- Spermatozoa**,
ultrastructure, *Acrida lata* 2751.
ultrastructure, *Amblyomma hebraeum* 2748.
ultrastructure, *Myogryllus* 1786.
ultrastructure, *Tityus bahiensis* 1598.
- Speyeria idaltia**,
new records, Canada Manitoba 716.
- Sphaeridium**,
coexistence, environments heterogeneity effects on 1189.
- Sphaeridium minutum**,
taxonomy 9012.
- Sphaerobius insignis**,
parasitism 7743.
- Sphaerocera nitida**,
first record, Poland 8032.
- Sphaeroceridae**,
ecology 7803.
new records, Poland 8032.
new species, Brazil 8197.
new species, USA 8196.
new species/new records, USSR 4240.
new species/zoogeography, Austria Tyrol 6625.
- Sphaerodema grassei**,
larvae 6736.
- Sphaeroderus**,
habitats/life cycles/niche separation 8669.
- Sphaerolecanium**,
taxonomy 8239.
- Sphaeroniscidae**,
new species, fossils, Dominican Rep. 5969.
- Sphaerophoria**,
revision, USSR 7319.
- Sphaeropsocidae**,
new records, British Isles 3191.
- Spharagemon**,
biology/ecology/geographical distribution, Canada Quebec 1107.
- Sphecidae**,
behaviour 1861, 3749, 4642, 4644, 4847, 5717, 6193, 7681, 7702, 8682.
behaviour/nests 6924.
biology 377, 4635.
nesting behaviour 388, 1087, 2782.
nests 6201, 7710.
new records, Germany, Fed. Rep. Rheinland 4114, 4115, 4117.
new records, Germany, Fed. Rep. Rheinpfalz 4118.
new records, USSR Tajikistan 8916.
new species, Australasian Region 844.
new species, Philippines 1514.
new species, USSR 105, 2412.
oviposition 1860.

Sphedidae,(continued)

parasitism 6973.
 pheromones 4455.
 predation 1995.
 records, New Zealand 6486.
 taxonomy 843, 3379, 3380, 5941, 6667, 6668.
 territorial behaviour 1188.
 toxicology 4353.
 venom 3465.
 zoogeography 9752.
Sphenariopsis impolita,
 chromosomes 9681.
Sphex ichneumoneus,
 burrowing behaviour 1087.
 nesting behaviour/nest provisioning 2782.
Sphex viaticus,
 taxonomy 843.
Sphingidae,
 behaviour 4682.
 cell culture 8350.
 check lists, Germany, Fed. Rep. Schopflocher Alb 9736.
 check lists/new records, Cayman Is. 8079.
 corpora allata 2598.
 cultural control 5672.
 cuticle 210.
 development 1020, 1051, 4556, 5435, 6164, 6166, 7578,
 7636, 7637, 7939.
 development physiology 1600.
 diapause 1793.
 diapause termination 345.
 enzymes 3477, 5256, 5316.
 excretion 6787.
 excretory systems 4399, 4400.
 flight 4154.
 growth 1811.
 gut 3557.
 haemolymph 4386.
 hormones 2561, 5441, 6159.
 hydrocarbons 6795.
 insecticides effects on 922.
 metabolism 4432.
 nerves 6760, 8361.
 new subspecies, USSR 134.
 nucleic acids 6403.
 parasitism 1929, 9454.
 pathology 1000.
 populations 1133.
 potassium transport 9242.
 proteins 3497, 6029, 6168.
 rearing 5986.
 respiration 8417.
 senses 8370.
 taxonomy 6679.
 vitamins 7507.
 zoogeography 699, 1385, 1389, 4128, 8051, 9739.
Sphingonotus,
 new species, China, People's Rep. 7400.
Sphinx,
 taxonomy 5207.
Sphinx anthraciniformis,
 taxonomy 5206.
Sphinx ligustri,
 rearing 5986.
Sphodromantis lineola,
 compound eyes sensilla, role grooming 8378.
Sphodros,
 taxonomy 5818.

Sphongophorus,

new species, Brazil 822.

Sphyracus,

taxonomy 786.

Spilochalets albifrons,

behaviour/life cycles 2835.

Spilochalets hirtifemora,

new records hosts 434.

Spilomicrus,

new species, India 5163.

new species, New Zealand 1508.

Spilopompilus,

taxonomy 839.

Spilopsyllus cuniculi,

emergence/sex ratios, rearing 3736.

introduced species, parasitism rabbits, Australia Victoria
 3923.

rearing 3728.

Spilostethus,

population dynamics, environmental factors 7018.

Spiracles,

morphology, relationship age, *Tessaratoma javanica* 1649.

Spirembolus,

revision, Nearctic Region 23.

Spirostreptidae,

cytopathology 2565.

Spodoptera,

taxonomy 9096.

Spodoptera eridania,

epoxide hydrolase 8416.

epoxide hydrolase activity 5313.

larvae, midgut/fat body, oxidases activity 3533.

Spodoptera exempta,

antifeedants, *Plagiochila* plant chemicals 4446.

compound eyes 9176.

flight behaviour, equipment 887.

migration, remote sensing 6997.

morphometry wings, geographical variations/phenology 915.

pest outbreaks, New Caledonia 3079.

sense organs, feeding deterrents 8375.

taste sensitivity 938.

Spodoptera exigua,

flight phenology, mathematical models 9409.

larvae, labial gland 6073.

parasites, Israel 1122.

parasitism 431.

predation 4077.

pupae, *Neoplectana carpocapsae* susceptibility 5359.

repellents/toxicity, *Hymenaea* resins 7766.

sex pheromone 9237.

sex pheromone, calling behaviour/response 9223.

Spodoptera frugiperda,

artificial infestations 8312.

artificial infestations *Zea mays* 3039.

attractants 2606.

Autographa californica nuclear polyhedrosis virus,

pathology 5372.

biological control 8742, 8762.

biological control/*Entomophthora aulicae* infection 3055.

cell culture, media 917.

cell lines, transfection *Autographa californica* nuclear

polyhedrosis virus DNA 4501.

cells, isolation/characterization polyribosomes 596.

chemical control 557, 8772, 9616.

Chrysodeixis eriosoma cytoplasmic polyhedrosis virus, cell

culture 5369.

control, weeds mangement 4846.

***Spodoptera frugiperda*, (continued)**

cultural control 8735, 8763.
 feeding/oviposition behaviour, *Panicum miliaceum* 9476.
 oviposition site selection, *Sorghum bicolor* 9487.
 parasitism 2839.
 parasitism, Brazil 6979.
 pest control/pest status 8771.
 pest control/pest status, mathematical models 8729.
 pest control/pest status, USA North Carolina 8756.
 pest resistance *Cynodon dactylon* /*Sorghum bicolor* /*Zea mays* 8627.
 pest resistance *Zea mays* 3026.
 pest status, Central America 8775.
 population density, environmental effects 494.
 toxicity aflatoxins 297.
 toxicity *Bacillus thuringiensis* + insecticides 6854.
***Spodoptera littoralis*,**
 acetylcholinesterase activity/inhibition, assays 2446.
 antifeedants *Physalis peruviana* steroids 2884.
 antifeedants synergists insecticides 9280.
 biological control 1235.
 cell culture 4340.
 chemical control 7088.
Cynanchum acutum host plants, new records 6989.
 development, crowding effects on 8535.
 diets, nutritive value *Spirulina geitleri* 5976.
 eggs, toxicity diflubenzuron 2678.
 genes, eye coloration/pesticide resistance 3130.
 growth regulators, synergists 6108.
 integrated control 2065.
 metamorphosis, juvenile hormones 4580.
 nuclear polyhedrosis virus effects on haemolymph amino acids 2580.
 oviposition/ovipositor sensilla 6017.
 parasitism 6228.
 parasitism, Egypt 6231.
 pathology, *Nomuraea rileyi* /*Paecilomyces fumoso-roseus*, temperature effects 9273.
 pest resistance *Gossypium* 4685.
 pesticide resistance, pyrethroids, relationship central nervous system sensitivity 3607.
 pesticide resistance pesticides (organophosphorus) 1771.
 pheromone traps 3939.
 predation 5632, 7810.
 rearing, artificial diets 3433.
 reproductive behaviour 3685.
 sex pheromone disruption courtship 5422.
 sex pheromone response, traps 4449.
 sex ratios 4082.
 sex ratios/reproductive status, Israel 1066.
 susceptibility nuclear polyhedrosis virus 5371.
 toxicity chlordimeform, mechanism 1757.
 toxicity gossypol 8474.
 traps 3425.
***Spodoptera litura*,**
 biological control 555.
 growth regulators, diflubenzuron 6135.
 Lepidoptera 7102.
Nomuraea rileyi infection 3579.
 pest resistance *Nicotiana* 3971.
 pheromone traps 6709.
 population growth/life cycles 5610.
 proteinase characterization 5312.
 toxicity plant extracts 4696.
***Spodoptera praefica*,**
 parasites species composition niches effects on 1993.

***Spongiphora*,**

new species, Guyana 9031.

***Spulerina*,**

new species, Nigeria 117.

Sri Lanka,

new species Buprestidae 8995.
 new species Catopidae 7271.
 new species Helodidae 5860.
 new species Hippoboscidae 6613.
 new species Histeridae 1454.
 new species Miridae 8240.
 new species/new records Meloidea 2326.
 new species/new records Tenebrionidae 8167.
 new species Perlidae 5215.
 new species Pompilidae 839.
 new species Strepsiptera 2443.
 new species Tenebrionidae 1463.
 new species Tephritidae 4242.
 revision *Episyron* 839.
 revision/new species Ampulicidae 3373.

St. Vincent,

new records *Danothrips trifasciatus* 1532.

***Stagmatoptera biocellata*,**

cycloheximide effects on learning 3471.
 learning, brain proteins biosynthesis 3484.
 learning behaviour, role brain peptides 3483.
 learning mechanisms 3706.

Staphylinidae,

check lists, Ireland 4100.
 check lists, Society Is. 6474.
 check lists/new records, German Dem. Rep. Mecklenburg 4995.
 check lists/new species, Albania/Bulgaria (People's Rep.)/Greece 9025.
 ecology 2968, 9504.
 ecology/phenology, soil, Germany, Fed. Rep. Westphalia 3193.
 enzymes 3499.
 fat body/midgut 9211.
 geographical distribution, USSR Ukraine Carpathian Mts. 4991.

glands 3562, 5868.
 integrated control 9562.
 isolation Laboulbeniales 3758.
 life cycles 3894.
 metabolism 6807.
 mutualism 5539.
 new records, British Isles 4983, 7299.
 new records, Czechoslovakia Moravia 3196.
 new records, German, Dem. Rep. 1363.
 new records, German Dem. Rep. 1364, 3197.
 new records, German Dem. Rep. Thuringia 2215.
 new records, Sweden 671, 672.
 new records, USA Florida 9747.
 new species, Austria 3333.
 new species, Brazil 791.
 new species, Chile 9024.
 new species, China, People's Rep./India 5871.
 new species, Europe 2342.
 new species, France 3331, 3336.
 new species, India 5117, 7300, 8160.
 new species, Italy 56, 792, 2338, 5874, 9027, 9028.
 new species, Italy/Turkey 9029.
 new species, Japan 3334.
 new species, Kuril Is. 7301.
 new species, Madeira 5114, 8163.
 new species, Malagasy Rep. 4213.

- Staphylinidae, (continued)**
 new species, Mexico 8157.
 new species, Nearctic Region 9026.
 new species, Oriental Region 8165.
 new species, Palaearctic Region 57, 3332, 5869.
 new species, Papua New Guinea 4211, 4212, 5867.
 new species, Sardinia 793.
 new species, Spain 2341.
 new species, Sweden 2340, 7267.
 new species, Tunisia 2336.
 new species, Turkey 6594.
 new species, USA 59, 6595.
 new species, USSR 58, 2337, 8158.
 new species, Viet Nam/China, People's Rep. 5872.
 new species, Yugoslavia 5866.
 new species/check lists, Ethiopian Region 5116.
 parasitism 2945.
 phenology, temperature effects 1085.
 phylogeny 3184.
 predation Aphididae, cereals crop fields 3823.
 secretion 9251.
 taxonomy 2339, 3335, 4214, 5115, 5870, 5873, 6592, 6593, 7298, 8159, 8161, 8162, 8164, 9022, 9023.
 termitophily 427.
 zoogeography 6466.
- Starvation,**
 Rhinotermitidae, environmental effects 2725.
- Stator bisbimaculatus,**
 biology/morphology 5510.
- Stauropus viridipicta,**
 taxonomy 8271.
- Steganomima,**
 new species, Malagasy Rep. 3387.
- Stegobium paniceum,**
 mating behaviour/orientation 7660.
 mating effects on behaviour 1065.
 repellents, diethyltoluamide 3551.
- Stelidota geminata,**
 geographical distribution, Nearctic Region 2250.
 infestations *Fragaria* 1149.
 parasitism 2841.
- Stenatemnus,**
 new species, India 7260.
- Stenelmis,**
 emergence/flight, environmental factors 5492.
- Stenichnus,**
 new species, Canary Is. 5834.
- Stenobatyle,**
 revision 4193.
- Stenobothrus stigmaticus,**
 new subspecies, Morocco 142.
- Stenocephalidae,**
 morphology/phylogeny 9134.
- Stenocerus,**
 taxonomy 8113.
- Stenocrates,**
 new species, Jamaica 4205.
- Stenodes wolniana,**
 first record, Denmark 679.
- Stenoglene,**
 new subspecies, Ethiopian Region 5186.
- Stenolechia bathrodyas,**
 first record, North America 5036.
- Stenolophus,**
 revision, Italy 2305.
- Stenoma,**
 taxonomy 6671.
- Stenonema,**
 taxonomy/biology, book 730.
- Stenonema modestum,**
 ecology/biology 3734.
- Stenonema smithae,**
 phoresy Chironomidae 3120.
- Stenopelmatidae,**
 biology 1095.
 sense organs 6775.
 sound production 6078.
- Stenophragma,**
 new species/new records, Neotropical Region 1481.
- Stenopola,**
 new species, Brazil 5211.
- Stenopsyche,**
 new species, India 157.
- Stenopsychidae,**
 new species, India 157.
- Stenoptilia zophodactyla,**
 immature stages 192.
- Stenosis,**
 new species, Sri Lanka 1463.
- Stenotabanus,**
 new species, Dominican Rep. 2375.
- Stenotritidae,**
 new taxa 1587.
- Stenoxyethira,**
 revision, Australia 8294.
- Stenurella,**
 taxonomy 3308.
- Stenus,**
 check lists/new species, Albania/Bulgaria (People's Rep.)/Greece 9025.
 new species, China, People's Rep./India 5871.
 new species, India 8160.
 new species, Japan 3334.
 new species, Madeira 8163.
 new species, Oriental Region 8165.
 taxonomy 8162, 9022.
- Sterecephalus,**
 new species, Brazil 791.
- Sterility,**
Boophilus hybrids 6438.
 genes, nuclear-cytoplasmic interaction, *Drosophila melanogaster* 3140.
 hybrid dysgenesis, *Drosophila melanogaster* 4968.
 hybrid dysgenesis, population genetics, *Drosophila melanogaster* 2177.
 inheritance, *Dysdercus koenigii* 3176.
 intraspecific hybridization *Drosophila nasuta* 4950.
- Sterilization,**
 benzylphenols, *Musca domestica* 9330.
 bisazir, *Cimex hemipterus* 6155.
 chemosterilants, *Anopheles stephensi* 7060.
 chemosterilants, *Apion corchori* 344.
 chemosterilants, *Callosobruchus chinensis* / *Anthonomus grandis* 2739.
 chemosterilants, *Chrysomya megacephala* 2712.
 chemosterilants, effects on ovary, *Periplaneta americana* 6892.
 chemosterilants, *Pectinophora gossypiella* 9338.
 chemosterilants, *Santalum album* plant extracts, *Tribolium castaneum* 2728.
 chemosterilants Culicidae 2710.
 chemosterilants *Plodia interpunctella* / *Tribolium castaneum*

Sterilization,(continued)

5425.
chemosterilants/radiation (γ), *Anthonomus grandis* 6132.
Cimex hemipterus 6138.
cytology/sterility, metepa effects on, *Dermacentor variabilis* 7598.
diflubenzuron + radiation (γ), *Anthonomus grandis* 9322.
radiation (γ), *Anthonomus grandis* 3635.
radiation (γ), diapause, *Plodia interpunctella* 4550.
radiation (γ), effects on longevity, *Drosophila melanogaster* 7620.
radiation (γ), *Sophrorhinus gbanjaensis* 5415.
radiation (γ)/diflubenzuron, *Anthonomus grandis* 9340.
radiation (γ) effects on, *Tribolium castaneum* 2731.
radiation (X), *Anopheles pharoensis* 6157.
radiation/chemosterilants, *Anthonomus grandis* 5404.
sterile release, control *Aedes sierrensis* 2054.
sterile-release, integrated control *Glossina palpalis* 7050.
tepa, *Dysdercus koenigii* 6900.
thiotepa, *Acyrtosiphon pisum* 6886.
thiotepa, sterile-release, control *Aedes aegypti* 3902.
thiourea effects on oviposition, *Callosobruchus chinensis* 6156.
virazole, *Myzus persicae* 7617.
- Sternechus**,
review/new species, Brazil 783.
- Sternechus egenus**,
taxonomy 784.
- Sternostoma**,
new species, Spain 1427.
- Sternostoma trachealcolum**,
parasitism *Serinus canaria*, first record, British Isles 4978.
- Steroids**,
effects on insecticides toxicity, *Sitophilus oryzae* 8470.
- Sterols**,
cholesterol metabolism, *Tenebrio molitor* 246.
- Sterrha vulpinaria**,
new records, host plants 475.
- Stethophyma**,
synonymy, America 144.
- Stethophyma grossum**,
meiosis, chromosomes pairing 619.
- Stethorus**,
larvae/new species/new records, Australia 1446.
natural enemies *Tetranychus urticae* /*Panonychus ulmi*,
insecticides effects on 549.
- Stethorus histrio**,
first record, Australia 1446.
- Stethorus punctillum**,
population dynamics/biological control *Panonychus ulmi* 3953.
- Stewpeckia**,
new genus, Neotropical Region 8136.
- Stichopogon**,
new species, Ethiopian Region 3339.
- Stichotaenia fervida**,
immature stages 894.
- Stichotaenia quadrisignata**,
immature stages/biology 900.
- Stichtrema**,
new species, Sri Lanka 2443.
- Stichtrematidae**,
new species, Sri Lanka 2443.
- Stictochironomus annulicrus**,
food selection 8608.
- Stigmaeidae**,
populations, orchards, USA Maine 4754.
- Stigmella**,
larvae/taxonomy 7381.
- Stigmella crataegella**,
first record, France 687.
- Stigmella minusculella**,
new records, British Isles Essex/Surrey 661.
- Stigmodera**,
new species, Australia 763.
- Stilocladius**,
new genus, Italy 4225.
- Stiphropus**,
new species, Sumatra 8983.
- Stirellus bicolor**,
transmission maize rayado fine virus 1951.
- Stivalius cognatus**,
pesticide resistance, Indonesia 4514.
- Stolotermes victoriensis**,
gut, redox properties 5291.
- Stomis**,
new species, Italy 5842.
- Stomoxys**,
medical importance, Switzerland 2985.
transmission Rift Valley fever virus 3023.
- Stomoxys calcitrans**,
behavioural genetics, genetic control 4775.
biological control 535.
biting behaviour/reproductive status 5580.
blood meal digestion 260.
blood meals/sugars effects on weight 424.
breeding sites, USA Florida 3020.
breeding sites preferences, USA Florida 1102.
chitin biosynthesis + inhibitors, bioassays 212.
chitin synthase, characterization 4402.
cuticle 4344.
development/reproduction, temperature effects on 330.
digestion enzymes, inhibitors 6783.
feeding 2564.
growth regulators/antibiotics, effects on cuticle 6882.
haemolysin activity 3525.
larvae, ecdysones metabolism, enzymes activity 7494.
mutants, gene mapping 7966.
oogenesis 5442.
proteinase inhibitors, effects on fecundity 7489.
sex differences, Malpighian tubules phosphates accumulation 4324.
temperature preferences 2775.
toxicity diflubenzuron 6105.
toxicity insecticides 9293.
- Stomoxys nigra**,
insecticides toxicity 300.
- Stored products**,
Acari infestations, Taiwan 8737.
Arachis hypogaea, infestations *Cryptolestes pusilloides*,
Italy 572.
Arachis hypogaea nuts, infestations *Caryedon gonagra* 3069.
artificial ecosystems, population dynamics Coleoptera 3943.
biological control *Plodia interpunctella* /*Ephestia cautella* 1222.
Brassica napus, aeration effects on population levels,
Cheyletus /*Glycyphagus* 7008.
Cerantonis siliqua, pest status, *Sitophilus oryzae* 7895.
chemical control Coleoptera 8764.
chemical control *Sitophilus zeamais* /*Sitotroga cerealella* 3962.
cigars, control *Lasioderma serricorne*, freezing 9598.
dispersal history, Insecta, review 7880.

- Stored products,(continued)**
dried fruits, dichlorvos control pests 576.
dried milk, Arthropoda pests, New Zealand 3070.
first record *Dermestes* 6574.
food preferences, *Rhizopertha dominica* 5552.
Glycine max, pest status, *Acrosternum hilare* 4839.
grain, oviposition behaviour, *Ephestia cautella* 1061.
grain, stimulation reproduction, *Acanthoscelides obtectus* 4593.
infestations *Lardoglyphus kono*, India Kerala 4820.
infestations *Sitotroga cerealella*, Sri Lanka 4824.
Insecta, repellents 3551.
introduced species, USA California 8755.
Lepidoptera, eggs/morphology, taxonomy 189.
Nicotiana, effects on population density, *Lasioderma serricorne* 5568.
Oryza sativa /*Sorghum* /*Zea mays* effects on development *Sitophilus zeamais* 316.
pest status/morphology *Alphitobius viator* 3027.
pests, biological control 3034.
pests surveys *Cryptolestes*, Australia Queensland 3064.
Phaseolus vulgaris, effects on reproduction, *Acanthoscelides obtectus* 6883.
Pinus sylvestris wood, chemical control Isoptera 2091.
radiation (γ) pest control *Tribolium castaneum* 3098.
Sorghum, susceptibility *Sitophilus zeamais* 1233.
Sorghum bicolor, pest resistance, *Sitophilus oryzae* 2883.
toxicity *Piper guineense* extracts, Insecta pests 2668.
Triticum aestivum, species composition Coleoptera 7034.
Triticum grain, aeration, Acari population levels 6365.
wood, chemical control/pest status, *Apate monachus* 6371.
Zea mays, biological control *Ephestia cautella* /*Plodia interpunctella* 3074.
Zea mays, chemical control *Sitophilus zeamais* /*Sitotroga cerealella* 554.
Zea mays, damage/pest status Coleoptera 3049.
Stragania apicalis, life cycles 5627.
Strand, A., bibliography 2270.
Strategus syphax, immature stages 8341.
Stratiomyidae, chemical control 3945.
cultural control 3968.
host plants 3845.
new records, Netherlands 3211.
new species, USSR 7318.
zoogeography 675.
Streams, benthos, fauna, Guatemala 583.
benthos Insecta, human impact ecosystem dynamics, mountains 2115.
check lists/ecology Plecoptera, Italy Appennino 2239.
distribution/abundance *Nemurella picteti* /*Leuctra nigra* larvae 3999.
ecology Coleoptera, Germany, Fed. Rep. Solingen 3119.
emergence, environmental effects, Psychodidae, Germany, Fed. Rep. 582.
emergence Insecta, environmental effects, Germany, Fed. Rep. Bonn 1275.
Insecta, agriculture land use effects on community composition 2113.
invertebrates, abundance/distribution, Sonoran Desert 2112.
life cycles/production *Skwala parallela*, USA Colorado, montane environments 1899.
life cycles/production Trichoptera, USA Georgia 3124.
migration, seasonal variations, Philopotamidae larvae 3818.
pollution effects carbaryl, nontarget organisms, USA Maine 1281.
population dynamics/habitat preferences/phenology Chironomidae, Canada Quebec 580.
production/drift *Tricorythodes atratus* 2119.
sedimentation effects on behaviour/distribution, Insecta 4857.
Streblote panda, biology 407.
Strepsiptera, check lists/new records, USA Alabama 5788.
Strobiloestrus, new records, Sudan, *Redunca redunca* 3772.
Strobiloestrus clarkii, parasitism mammals, Central African Rep./Chad 2850.
Strobiloestrus vanzyli, eggs, ultrastructure/functional morphology 7448.
immature stages/taxonomy 2478.
Strongylium, elytra, structure 3445.
taxonomy 2343.
Strongylogaster, taxonomy 8255.
Strongylognathus testaceus, records, Germany, Fed. Rep. Rheinland 4113.
Strongylophthalmyia ustulata, first record, British Isles 6478.
Strophingia, new genus, Balearic Is. Majorca 7349.
taxonomy 5154.
Strumigenys godeffroyi, new records, introduced species, New Zealand 6487.
Stugeta bowkeri, new subspecies, South Africa 122.
Stunkardacarus, new genus, Rwanda 2273.
Sturmipopsis inferens, parasitism Lepidoptera, host range 6227.
Sturmipopsis parastica, parasitism *Chilo auricilius* 4670.
Stygionympha, revision/new species, South Africa 864.
Stylaclista, new species, New Zealand 1508.
Stylopidae, biology 4664.
competition 7746.
Stylops, parasitism *Andrena* 4664.
Styloptera, new species/host plants, Papua New Guinea 5885.
Suana, taxonomy 6675.
Suaris nanus, population dynamics/spatial distribution, *Olea* plantations, Crete 7828.
Subelytia rotundiventris, parasitism *Elasmucha grisea* 4627.
Subulistomella, new genus, Japan 7283.
Suctobelbella, new species, USSR 9.
Sudan (Dem. Rep.), new records *Strobiloestrus*, *Redunca redunca* 3772.
new species Anthicidae 8112.

Sudan (Dem. Rep.), (continued)

new species Aphididae 6638.
 new species Bittacidae 9104.
 pest control Isoptera 2093.
 zoogeography Hemiptera 4104.
Sugars,
 effects on longevity, *Chironomus thummi* 2688.
Suillia,
 new species/new records, Neotropical Region 8190.
 taxonomy 9042.
Suillia tuberiperda,
 taxonomy 1480.
Sulanyssus,
 new records, New Zealand 8899.
Sulphur dioxide,
 pollution effects *Lasioglossum zephyrum* flight activity 1973.
Sumatra,
 new species Ceratocanthidae 776.
 new species Helodidae 4201.
 new species Lucanidae 6585.
 new species Schizomidae 30.
 new species Thomisidae 8983.
Sumnius,
 new species, Borneo 7275.
Sundara longicephala,
 new records, India 7339.
Sunius confluentus,
 first record, USA Florida 9747.
Supella longipalpa,
 agonistic behaviour 7722.
Suricatoecus,
 new species, Ivory Coast/Nigeria 6683.
Surinam,
 new records Capritrrips insularis 152.
 new species Demodicidae 8093.
Survival,
Aedes larvae, sodium chloride effects on 1805.
Anopheles subpictus populations, capture-recapture studies 480.
 diets effects on, *Culex nigripalpus* 1799.
 environmental effects, *Tenebrio molitor* 329.
 food/water effects on, *Apis mellifera* 1915.
 host plants effects on, *Aleurodicus dispersus* 2877.
 host plants effects on, Aphididae 1150.
 host plants effects on, grasslands, *Inopus rubriceps* 3845.
 intraspecific interactions, *Morter obscurus* larvae 1985.
Nasutitermes nigriceps /*Coptotermes acinaciformis*, rearing containers effects on 1816.
 overwintering, *Alaskozetes antarcticus* 2121.
 radiation (γ) effects on, *Argas arboreus* 1826.
 soil moisture effects on, *Phyllophaga crinita* 1876.
 temperature effects, *Megachile rotundata* 1807, 1809.
 temperature effects, *Scirtothrips citri* 3637.
Trialeurodes vaporariorum 2817.
 2,4-D effects on, *Ceuthorrhynchidus horridus* 1008.
Suterella,
 taxonomy 9016.
Suterina,
 taxonomy 9016.
Swammerdamia maculatella,
 taxonomy 9091.
Sweden,
 check lists/new records Coleoptera 670.
 first record *Elysoceraphron hungaricus* 6660.
 first record *Grammodes stolidia* 8052.
 geographical distribution/biology Tettigoniidae 7212.
 new records Carabidae 8026.

new records Coleoptera 671, 672.
 new records Lepidoptera 706, 1392.
 new records Macrolepidoptera 8053.
 new species Adelidae 2422.
 new species Staphylinidae 2340.
 new subspecies *Aphalara rumicicola* 7350.
 taxonomy/new records Linyphiidae 5823.
Sweden Lapland,
 fauna, *Betula* 472.
Sweden Muddus National Park,
 check lists, Araneae 8017.
Sweden Norrbotten,
 new species/new records Coleoptera 7267.
Sweden Scania,
 new records Coleoptera 7192.
Swella kibunensis,
 taxonomy 4299.
Switzerland,
 check lists Aphididae 7178.
 check lists Odonata 7211.
 Collembola communities, soil, grasslands 9511.
 Diptera myiasis man, review 2023.
 first record, man, *Lycotocoris campestris* 7052.
 first record *Amara proxima* 5000.
 first record *Eupithecia conterminata* 1393.
 first record *Oligia dubia* 8922.
 first record *Photodes fluxa* 5017.
 first record *Pterostichus oenotrius* 8027.
 medical importance Hippoboscidae 2022.
 medical importance Muscidae 2985.
 Neuchatel L., life cycles/ecology Pyralidae 2922.
 new records Araneae 7185.
 new records Coleoptera 7193.
 new records *Hydroporus* 4999.
 new records Symphyta 5011.
 new species Anoetidae 6542.
 new species Cheyletidae 6545.
 new species Isotomidae 5876.
 new species/new records Scydmaenidae 7297.
 new species Ochthebiidae 6586.
 new species Scelionidae 840.
 new species Tenthredinidae 6669.
 Tabanidae, medical importance 3906.
Switzerland Balmoos,
 check lists Insecta 1362.
 check lists Lepidoptera 1393.
 check lists Neuroptera/Mecoptera 1361.
 check lists Trichoptera 1398.
Switzerland Bernina Mts.,
 check lists Collembola 5876.
Switzerland Symphyta,
 check lists Symphyta 5011.
Switzerland Unterwalden,
 check lists Symphyta 8919.
Sybaris,
 new species, Senegal 7289.
 new species/new records, Sri Lanka 2326.
Sycophila,
Jasminum grandiflorum, first record/pest status 6369.
 new species, Iraq 5931.
Sycoscapteridea longipalpus,
 taxonomy 1515.
Sylepta derogata,
 pest resistance *Abelmoschus esculentus* 1959.
 pest status, *Ochroma pyramidale*, India Kerala 2095.
Symbiosis,
 bacteria metabolites, absorption, *Periplaneta americana*

Symbiosis,(continued)

4393.

Epistylus cambari association Odonata larvae 4735.

Formicidae mutualism fungi, evolution 3759.

fungi/bacteria-*Euscelis incisus*, cells 957.gut microflora, bacteria, *Tipula abdominalis* larvae 1924.gut microflora, *Pterotermes occidentis* 2830.rearing *Xyleborus affinis* + symbionts 2454.symbionts, effects on storage excretion, *Blattella germanica* 8425.

symbionts, Homoptera, review 916.

temperature effects, *Sitophilus zeamais* symbionts 5224.termitophily, *Trichopsenius depressus* /*Xenistusa**hexagonalis* trail following behaviour *Reticulitermes* trail pheromone 427.*Trichonympha* symbionts, *Rugitermes niger* /*Neotermes arthurmuelleri* 426.**Symmerus**,

larvae 193.

Sympetrum madidum,

ecology/habitats 4727.

Symphorobius sanctus,

toxicity insecticides 7565.

Symphyla,

reproduction 8551.

Symphyla,

check lists/new records, Switzerland Unterwalden 5011.

Sympiesis,parasitism *Phyllonorycter* 9517.

taxonomy 1512.

Sympiesis gordius,

first record, Canada 1512.

Sympycnus,

taxonomy 7309.

Symydobius oblongus,behaviour, coordination, *Formica lugubris* 4662.**Synagapetus**,

new species, Portugal 869.

Synansphecia mannii,

bionomics/host plants 5482.

Synanthedon,

chemical control 9603.

host plants/life cycles/parasitism 8573.

Synanthedon flaviventris,

life cycles 4613.

Synanthedon myopaeformis,

baits 2601.

Synanthedon tipuliformis,

life tables 7024.

Synanthedon unocingulata,

life cycles 4647.

Synaphosus,

revision, Nearctic Region 3280.

Synapses,electrical properties, *Schistocerca nitens* 2532.giant axons, *Amblypygi* 2524.

neuromuscular junctions, regeneration, Blattodea 1792.

neurotransmitters, pharmacology, *Periplaneta americana* 1624.optic lobes, ultrastructure, *Calliphora* 2539.transmission, hydroquinone effects on, *Periplaneta americana* 924.**Synchita mediolanensis**,

larvae 2482.

Synclera univocallis,

chemical control 2094.

Syncopacma,

taxonomy 2426.

Synegia,pest status, *Piper betle*, India 3078.**Synemosyna myrmeciformis**,

new records, Bolivia 8107.

Synergus,inquilism, *Andricus legitimus* galls, *Quercus* 2401.**Synonymy**,revision *Platypria* 46.**Synopeas**,

new species, Japan 2410.

Synorbitomyia,

new species, Philippines 6618.

Synorthocladus,

new records/check lists, Italy 674.

Syntomidae,

bionomics 1885.

Syntomis fortunei,

bionomics 1885.

Syntomopus,

new species, Argentina 94.

Syntomus,

new species, South Africa 5083.

Syntormon,

thorax sclerites, taxonomic significance 2360.

Syrbatus,

new species, Zaire 5108.

Syrbula,

synonymy, America 144.

Syria,

check lists/new records Odonata 8056.

new species Baetidae 8205.

Syringophilidae,

new species, USA 759.

Syritta pipiens,

flight orientation, visual stimuli 2766.

Syrphidae,

behaviour 5450.

check lists, Germany, Fed. Rep. Hersbruck 7199.

check lists, Netherlands 5004.

ecological genetics 8864.

fauna, paddy fields, Japan 1374.

keys, British Isles/Ireland 8002.

life cycles 9406.

morphology 2492.

natural enemies *Acyrtosiphon kondoi* 3892.

new records, British Isles 656.

new records, Netherlands/Belgium 7200.

new species, Denmark 2370.

new species, fossils, amber 5897.

new species, Israel/Italy/Turkey 8199.

new species, Norway 2373.

new species/new records, Japan 2374.

nutrition 6163.

orientation 2766.

overwintering 383.

parasites 434.

parasitism 4669.

predation Aphididae, Czechoslovakia 1997.

prey, review 6962.

taxonomy 2372, 7319, 7320, 8198, 9052, 9053, 9054.

taxonomy/geographical distribution, Belgium 5129.

taxonomy/phylogeny 2371.

zoogeography 6476, 8003.

Syrphocheilosia,

taxonomy 9053.

- Syrphus*,
taxonomy 9052.
- Syrphus corollae*,
nutrition effects on development/fecundity 6163.
- Systema blanda*,
traps, colour preferences 2970.
- Systole*,
new species, Iraq 5930.
- Systropha*,
taxonomy 9092.
- Systropus columbianus*,
parasitism Limacodidae 1123.
- Szentendrea*,
new genus, Lao, People's Dem. Rep./Molucca Is. Seram
8115.
- Tabanidae**,
attractants 5327.
behaviour 5642.
biological control 569.
 biology 1881.
 check lists, Portugal/Spain 7196.
 check lists, Romania Retezat National Park 6508.
 check lists, Uganda Toro Game Reserve 4136.
 check lists, USSR East 8915.
 check lists/new records, USA Kentucky 8935.
 chemical control 5650.
 development 331.
 ecology 3838.
 fauna, Thailand, book 5049.
 host selection 437.
 larvae 3436, 7920.
 medical importance, Switzerland 3906.
 muscles 6006.
 new records, Canada 1404.
 new records, France 7198.
 new records, USA 7223.
 new species, Mali 9055.
 new species/new records, Dominican Rep. 2375.
 new species/new records, France 3359.
 parasitism 1117, 2998, 7745.
 pests, cattle 2025.
 phenology/diurnal variations activity patterns,
 Czechoslovakia Jursky sur 382.
 predation 8916.
 rearing 3744, 5235.
 senses/taxonomy 7321.
 taxonomy 5130, 8200.
 taxonomy/vector-borne diseases 8201.
 visual preferences colour, relationship feeding behaviour
 3724.
- Tabanus*,
ecology larvae 3838.
eye colour patterns, taxonomic significance 7321.
feeding behaviour 5642.
new records, Canada New Brunswick/Quebec 1404.
new records, USA 7223.
new species/new records, Dominican Rep. 2375.
parasitism cattle 2998.
taxonomy 8200.
taxonomy/vector-borne diseases 8201.
- Tabanus commixtus*,
first record, Dominican Rep. 2375.
- Tabanus cordiger*,
larvae/habitat preferences 7920.
- Tabanus darimonti*,
first record, France 7198.
- Tabanus lineola*,
abdomen muscles 6006.
- Tabanus nigrovittatus*,
parasitism 7745.
rearing 5235.
- Tabanus rupium*,
larvae 3436.
- Tabanus vittiger*,
new records, Dominican Rep. 2375.
- Tachardiidae**,
natural enemies 2966.
- Tachinidae**,
attractants 975, 1137.
behaviour 7739.
biology 3761.
check lists, Brazil Curitiba 1413.
development 6161, 7736.
enzymes 9218.
genitalia 6744.
hatching 2733.
immature stages/life cycles 6731.
larvae 190.
life cycles 1172.
light traps 874.
new species, China, People's Rep. 5131.
new species, Europe 806.
new species, Nearctic Region 5132.
new species, South Africa 7322.
parasitism 433, 3764, 4627, 4670, 4674, 6234, 6964, 6978,
 7734, 7735, 7741, 7743, 8614.
parasitism *Plusia*, Brazil 2002.
parasitism *Spodoptera frugiperda* 2839.
populations, *Gossypium* crop fields, USA Arizona 511.
predation 500.
rearing 7421.
reproduction 346.
taxonomy 2376, 9056.
- Tachyporus quadriscolulatus*,
Aleuonota gracilentia, German Dem. Rep. Thuringia 2215.
- Tachyporus quadriscolulatus*,
first record, German Dem. Rep. Thuringia 1364.
- Tachysphex*,
mating behaviour/nesting behaviour 6924.
- Tachysphex mundus*,
nesting behaviour 388.
- Tachytes tricornatus*,
nesting behaviour 6201.
- Taedia*,
new species, Brazil 4245.
- Taeniopterygidae**,
larvae 195.
metabolism 6797.
reproductive behaviour 353.
- Taeniopteryx*,
larvae 195.
- Taeniopteryx nebulosa*,
oxygen consumption 6797.
- Tahiti**,
new species Carabidae 3300.
- Taiwan**,
check lists Lepidoptera 6519.
first record *Hambletonia pseudococcina* 8061.

- Taiwan,(continued)**
 new records *Periplaneta* 2297.
 new species Braconidae 8243.
 new species Cicadellidae 8232.
 new subspecies *Catocala praeagnax* 8268.
 pest control, review 7885.
Takagriopopteryx,
 taxonomy 9107.
Tamaricella,
 new species, USSR 1501.
Tamenus,
 new species, India 7260.
Tanaecia godartii,
 new subspecies, Sipora I. 113.
Tanymecus dilaticollis,
 tissues, carbofuran effects on 9276.
Tanypezidae,
 new records, British Isles 6478.
Tanypteryx hageni,
 behaviour/population age compositions 6185.
Tanypus grodhausi,
 toxicity insecticides 6852.
Tanytarsus,
 larvae, populations, spatial distribution, paddy fields, USA
 California 1186.
 toxicity insecticides 7856.
Tanytarsus dissimilis,
 toxicity heavy metals 1778.
Tanzania,
 check lists/new species Lathridiidae 2324.
 new species Dytiscidae 2319.
 new species Elateridae 1452.
 new species Geometridae 8262.
 new species/new records Anthicidae 5077.
 new species Oxydesmidae 5221.
 new species Pselaphidae 5105, 5107.
 new species Scarabaeidae 9019.
Tanzania Uluguru Mts.,
 check lists Carabidae 4135.
Tapinocyba bisceissa,
 first record, Czechoslovakia 7183.
Tapinocyba insecta,
 reproductive organs/mating 9305.
Tapinopa longidens,
 webs, role humidity retention 2790.
Taranuncus bihari,
 first record, Czechoslovakia 7183.
Tarnania,
 new species, Germany, Fed. Rep. 5126.
Tarsonemidae,
 chemical control 2064.
 new records, Canada 5781.
 new species/new records, Indonesia/Malaysia 6551.
 parasitism 2819.
Tarsonemus,
 new records, Canada 5781.
Tarsopsylla octodecimentata,
 parasitism birds, USA Alaska 4676.
Tasmania,
 endemic species, Plecoptera 2256.
 revision Dipsocoroidea 1491.
Tatochila,
 evolution 7984.
Tatochila autodice,
 parasitism, *Apanteles ayerzai* 562.
Taxigramma,
 new species, USSR 6619.
- Taxonomy**,
 Chironomidae, chromosomes 612.
 Chironomidae, morphology larvae 902.
 Chironomidae, morphology pupae 901.
 Chironomidae, use electron microscopy(scanning) 174.
 cuticle components, *Anopheles* 73.
 new species, Canary Is./Azores/Madeira 5171.
 new species Veliidae 4251.
 numerical taxonomy, Chironomidae 64.
Procris statices 136.
 relationship habitat preferences, Carabidae 1984.
 taxonomic significance host preferences, Bruchidae 478.
 taxonomic significance sound characteristics, flight,
 Chironomidae 76.
 theories 6646.
 types 2271.
Tchirkovaea,
 new species, fossils, Carboniferous, USSR 3407.
Tchirkovaeidae,
 new taxa, fossils 3407.
Tegenaria,
 variability/geographical distribution, British Isles 665.
Tegenaria derhami,
 oogenesis 6914.
Tegonotus,
 new species, India 8096.
Tegoribatidae,
 new species, fossils, USSR 2285.
Teletodes wague,
 first record, British Isles 8005.
Telemidae,
 genitalia 5071.
 new species, New Caledonia 3288.
Telenomus,
 new species, Neotropical Region 5180, 9083.
Telenomus brevis,
 parasitism *Lophopterix camelina* 3887.
Telenomus podisi,
 development, temperature effects 2717.
 parasitism Pentatomidae 1906.
Telenomus remus,
 biological control *Spodoptera litura* 555.
Teleogryllus,
 taxonomy 146.
Teleogryllus commodus,
 cricket paralysis virus, monitoring, methodology 3424.
 damage/pest status, grasslands 3941.
 food plants, preferences 6239.
 mating behaviour, circadian rhythms, temperature effects
 4383.
 regeneration/transplantation development, leg 7592.
Teleogryllus oceanicus,
 moulting behaviour, nerves 7648.
 phonotaxis 7671.
 prey, *Bufo marinus* 2932.
Telephoromyia laeta,
 mate selection/reproductive isolation 5455.
Teloclerus compressicornis,
 first record, Spain 3200.
Telsonemasoma,
 new genus, USA 1537.
Temephos,
 pesticide resistance, *Simulium*, Ivory Coast 3606.
 selection, pesticide resistance, *Culex pipiens* 294.
Temperature,
 cold acclimation, *Philosamia ricini* larvae 1709.
 cold acclimation, respiration metabolism, *Alaskozetes*

Temperature,(continued)

- anarcticus 3559.
cold effects on proteins/esterases, haemolymph, *Galleria mellonella* 1674.
cold hardiness, overwintering, *Chymomyza amoena* 3558.
cold hardiness, seasonal variations, *Rhynchaenus fagi* 3560.
cold paralysis mutants, *Drosophila melanogaster* 1322.
cold storage, control *Spodoptera littoralis* 2065.
cold tolerance, *Humerobates rostrumellatus* 2612.
cold tolerance, overwintering survival, *Alaskozetes antarcticus* 2121.
ecological genetics, *Argia vivida* 1340.
effects on activity, *Aphodius tasmaniae* larvae 3418.
effects on calling behaviour, *Euxoa* 2752.
effects on *Caryedon gonagra* infestations, *Arachis hypogaea* nuts 3069.
effects on coloration, *Precis archesia* 3394.
effects on cuticle, *Centruroides sculpturatus* 3457.
effects on development, *Corcyra cephalonica* 9332.
effects on development, *Lateticus oryzae* 2708.
effects on development, *Plathypena scabra* 1039.
effects on development, sexual polymorphism, *Aphis rubicola* 1815.
effects on development, *Telenomus podisi* 2717.
effects on development, *Thanasis dubius* 320.
effects on development/diapause, *Loxostege sticticalis* 1824.
effects on development/emergence, *Gonioctena americana* 339.
effects on development/fecundity, *Dermestes lardarius* 2732.
effects on development/fecundity, *Pseudaulacaspis pentagona* 325.
effects on development/oogenesis, Tabanidae 331.
effects on development/oviposition, *Tetranychus ludeni* 3636.
effects on development/reproduction, *Locusta migratoria* 2719.
effects on development/reproduction, *Stomoxys calcitrans* 330.
effects on development/survival, *Megachile rotundata* 1807, 1809.
effects on development/survival, *Scirtothrips citri* 3637.
effects on development/survival, *Tenebrio molitor* 329.
effects on developmental genetics, *Bombyx mori* 2740.
effects on diapause, *Chortoicetes terminifera* 1808.
effects on diapause, *Sarcophaga argyrostoma* 1794.
effects on fecundity, *Leptinotarsa decemlineata* 336.
effects on flight muscle activity, *Drosophila melanogaster* 3464.
effects on foraging behaviour, *Anacanthotermes ochraceus* 1082.
effects on gene expression Minute mutant, *Drosophila melanogaster* 3647.
effects on hatching, *Cryptophlebia leucotreta* eggs 408.
effects on hatching, *Pyrilla perpusilla* 1806.
effects on hatching, *Tetranychus urticae* 1031.
effects on insecticides toxicity, *Tribolium confusum* 2680.
effects on locomotor activity, *Tetranychus urticae* / *Typhlodromus occidentalis* / *Amblyseius fallacis* 1611.
effects on longevity, *Pectinophora gossypiella* 1820.
effects on mating, alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 1804.
effects on mating, *Chilo suppressalis* 2730.
effects on metabolic rate, *Alaskozetes antarcticus* 251.
effects on morphology, *Aglais urticae* 1588.
effects on oviposition/hatching, *Amblyomma americanum* 2734.
effects on parthenogenesis, *Bombyx mori* 1818, 1819.
effects on phenology, *Atherigona naqvii* 2783.
effects on phenology, Staphylinidae 1085.
effects on population dynamics, *Aleyrodes brassicae* 2936.
effects on population dynamics, *Neolittoratus fenestratus* 4731.
effects on reproduction, *Dermacentor variabilis* 2721.
effects on sex ratios, cocoons, *Cryptophlebia leucotreta* 409.
effects on species diversity, *Drosophila* 487.
effects on water permeability, egg shells, *Bombyx mori* 2613.
effects on wings pigmentation, *Saldula fernaldi* 982.
freezing, control *Lasioderma serricorne* 9598.
freezing tolerance, antifreeze agents, Arthropoda 2611.
hatching, *Ecdyonurus* / *Rhithrogena* 3638.
heat balance/production, *Formica polyctena* nests 2004.
heat stability alcohol dehydrogenase enzyme polymorphism, *Drosophila melanogaster* 2163.
heat treatments effects on eggs viability/chromosomes, *Bombyx mori* 1833.
hyperthermia effects on mutagens sensitive mutant, *Drosophila melanogaster* 1048.
life cycles/development, *Paulinia acuminata* 4629.
Odontotermes obesus nests 3747.
supercooling, *Alaskozetes antarcticus* 2615.
temperature preferences *Brachymeria* 1072.
temperature preferences *Stomoxys calcitrans* 2775.
temperature requirements, development *Philaenus spumarius* 1035.
temperature requirements, hatching *Philaenus spumarius* 1036.
temperature requirements, hatching *Pseudatomoscelis seriatus* 1034.
temperature-sensitive mutant, imaginal discs, developmental genetics, *Drosophila melanogaster* 1040.
temperature tolerance, role glycerol, *Pytho depressus* 2616.
thermoregulation, *Apis mellifera* 270.
thermoregulation, nests, *Formica polyctena* 3111.
thermoregulatory behaviour, *Apis mellifera* 2553.
thermoregulatory behaviour, *Papilio polyxenes* 1916.
threshold, development rates, *Keiferia lycopersicella* 1796.
water temperature effects on fecundity/size, Insecta 3645.
Tenagobia selecta,
new subspecies, Argentina 5135.
Tendipes decorus,
energy flow/production 4000.
Tenebrio,
osmotic pressure haemolymph/Malpighian tubules/rectum 1711.
Tenebrio molitor,
 α -amylase, inhibitors 255.
antennae sense organs 8385.
antibiotics/hormones effects on cuticle 328.
bacteria infection, effects on haemolymph pressure 6846.
cholesterol metabolism 246.
corpora allata, juvenile hormones biosynthesis, environmental effects 3548.
cuticle proteins biosynthesis, development 1603.
cuticle proteins characterization, development 1602.
development genitalia grafts, experimental gynandromorphs 1790.
development/survival, environmental effects 329.
diflubenzuron effects on 9327.
ecdysteroids, prothoracic gland 2747.
epidermis, electrical properties 4343.
epidermis, ions transport 6002.
haemolymph, juvenile hormones esterase 1685.
haemolymph pressure regulation 4385.
head movements, orientation visual stimuli 1866, 1867.

***Tenebrio molitor*, (continued)**

hydrocortisone effects on development 5441.
immunology, enzymes 4401.
juvenile hormones activity *Ocimum basilicum* plant extracts 2887.
juvenile hormones analogues 9221.
juvenile hormones analogues, biological activity 9226.
juvenile hormones esterase, inhibitors 8400.
larvae, muscles, calcium channels 984.
maxillary palps sensilla 8372.
metabolism glucose, corpora cardiaca effects on 5296.
neuromuscular junctions, L-glutamate 4360.
nutrition, zinc 8409.
orientation, humidity 366.
oxygen consumption, metamorphosis 2749.
photoreceptors, morphogenesis 7473.
phototaxis, proteins biosynthesis role 1642.
trail pheromone 6931.
water balance, population density *Hymenolepis diminuta* 4491.
Tenebrionidae,
anatomy 9245.
anatomy/phylogeny 6458.
behaviour 1642, 6929, 8553.
behaviour/secretions 1917.
behavioural genetics 2175.
bioassays 1548.
biological control 1249.
biology, review 3715.
Cestoda infection 2047.
check lists/new species, Viet Nam 5118.
chemical control 3983, 8764.
chemosterilants 2728.
chitin inhibitors 1049.
chromosomes 9681.
circulatory system 4385.
communities 4768.
competition 3846, 3855, 9505.
control 6340.
cuticle 328, 1602, 1603, 6004.
defence secretions 2610.
development 329, 1790, 2708, 2887.
development physiology 2747.
dispersal 2906, 2908.
ecology 4756.
elytra 3445.
enzymes 255, 1668, 1685, 5295, 8400, 9205.
fecundity 4973.
feeding 235.
glands 5347.
grasslands, food preferences 1110.
hormones 3548, 5441.
hybrids 4949.
hydrocarbons 3454.
immature stages 8328, 8334.
immunology 4401.
insecticides 9327.
insecticides effects on 922.
insecticides toxicity 2680.
integument 4343, 6002.
ions 984.
isolation Laboulbeniales 3758.
juvenile hormones analogues 9221.
larvae 5997.
longevity 7025.
malathion resistance 4505.
metabolism 246, 5296.

mutation 628, 7964, 9689.
nerves 4360.
new records, Czechoslovakia Slovakia 3195.
new records, Italy 9728.
new species, Balearic Is. 5875.
new species, Mexico 8168.
new species, Sri Lanka 1463.
new species, USSR 4217.
new species/new records, America 8166.
new species/new records, Japan Nansei Is. 2343.
new species/new records, Sri Lanka 8167.
new subspecies/new records, Italy Tuscany 3337.
nutrition 1663, 8409, 8412.
nutrition/reproduction 6144.
oocytes 3450, 3451.
orientation 366, 1866, 1867.
osmoregulation 4472.
oviposition 7428.
parasitism 7750.
pathology 279, 2645, 3577, 6846.
pest control 3098.
pesticide resistance 295, 8475.
pests 3027, 3049, 3064, 7863.
pheromones 6931, 7513.
population genetics 2182, 2184, 2185, 2186, 4966.
population models 4762.
populations 5605, 9540.
repellents 265, 3551, 6059.
reproduction 4575.
residual effects permethrin 8479.
respiration 2749.
rhythms 3488.
selection 5751.
sense organs 7473, 8372, 8385.
sterile-release 5425.
sterilization 2731.
taxonomy 4215, 4216, 4218.
toxicity fumigants 9290.
toxicity phosphine 575.
vector-borne diseases 4491.
weight 183.
zoogeography 670, 4140, 5794, 6505.
Tenodera aridifolia,
predatory behaviour, mechanisms 3485.
Tenodera australasiae,
vision, tracking 5268.
Tenthredinidae,
behaviour 5457, 5528.
biology 6195.
bionomics 8575.
cocoons structure 5249.
metabolism 7508.
morphology/taxonomy 5989.
new records, British Isles 6482.
new records, Canada Quebec 2248.
new records, Netherlands 8918.
new records, Switzerland 5011.
new species, France/Spain 107.
new species, Nearctic Region 8255.
new species, Switzerland 6669.
new species, USA 108.
new species/new records, British Isles Scotland 4278.
new species/new records, Mexico 8256.
nutrition 9464.
parasitism 5549.
pathology 3588.
pests 8761.

Tenthredinidae,(continued)

revision, Europe 3371.
 taxonomy 106, 109, 4277, 4279, 6670, 7366.
 taxonomy/new records, Hungary 2413.
 zoogeography 6483.
Tenthredo,
 foraging behaviour, flowers 5528.
 new species, France 107.
 taxonomy 2413.
Tenthredo atra,
 new subspecies, Spain 107.
Tenthredo velox,
 ecology 107.
Tenuipalpidae,
 biology 6939.
 chemical control 3036.
 chromosomes 4891.
 new species, China, People's Rep. 13.
 new species, Israel 8104.
 new species, Italy 8972.
 new species, New Caledonia 5813.
 new species/new records, China, People's Rep. 14.
 new species/new records, India 3278.
 parthenogenesis 2151.
 pests 7087, 9590.
 populations 7032.
Tenuipalpus,
 new species, China, People's Rep. 13.
 new species, New Caledonia 5813.
 new species/new records, India 3278.
Tenuipalpus granati,
 biology/immature stages 6939.
Tenuipalpus pacificus,
 pest status, Pteridophyta 7087.
Tephritidae,
 attractants 8433.
 behaviour 6175, 6916, 7651, 7659, 8561, 9392.
 behavioural genetics 5746.
 biological control 7100.
 biology 376.
 chemical control 6346.
 chemical control, review 7884.
 chemical control/toxicity insecticides 9619.
 chromosomes 4889, 7141.
 competition 5606.
 control 7901.
 development 5417, 6246, 7632.
 diets 175, 238.
 dispersal 7780, 7781.
 ecological genetics 9700.
 enzymes 4952, 7499, 8401.
 galls 380, 2925, 3795, 6242.
 glands 231, 7534.
 hatching 2737.
 histones 968.
 host plants 7762.
 life cycles 7698.
 life cycles/behaviour 9419.
 lipids 5303, 5322.
 mating 1858.
 metabolism 254, 261.
 muscles 214.
 mutation 7961, 7968.
 new records, Australia Northern Territory 8081.
 new species, Australia 8202.
 new species, Israel 8203.
 new species, Mexico 3361.

nutrition 3503, 7495, 7503, 9210.
 orientation 9370.
 parasitism 6659, 6974.
 pests 6197, 6202, 6341, 7097, 7890.
 pheromones 5333.
 population genetics 4084, 7166.
 populations 6998.
 rearing 5234, 8303, 9334.
 repellents 7518.
 reproductive systems 2697.
 secretions 276.
 sense organs 7417, 8371, 9172.
 sterile-release 6027.
 sterilization 8534.
 taxonomy 3360, 4241, 4242, 9057.
 toxicity isothiocyanates 1004.
 traps 2450, 6355.
 viruses 8453.
 weed control 6243.
Tephrits,
 new species, Israel 8203.
Tephrits dilacerata,
 galls, *Sonchus arvensis* 3795.
Teratology,
 antennae, *Ardeicola stellaris* 2493.
Aphis 9145.
 appendages, Tingidae 9146.
Boophilus annulatus 3442.
 compound eyes, *Peripsocus subfasciatus* 3443.
 genitalia, *Hylaster* 1583.
 leg, *Dineutus nigrior* 908.
Polygenus bohlsi 5250.
Tityus cambridgei embryos 5397.
 wings, *Gonimbrasia tyrreha* 199.
Terellia,
 revision, Ethiopian Region 3360.
Termes,
 taxonomy 111.
Termes australis,
 taxonomy 9088.
Termitidae,
 behaviour 1271, 6060, 8601, 9646.
 behaviour/pheromones 9644.
 castes 5407, 5420, 8387.
 chemosterilants 4504.
 cuticle 211.
 digestive systems 4387, 5291.
 ecology 3854, 6298.
 enzymes 6036.
 fauna, Nepal Kathmandu 5780.
 glands 9350.
 gut 2567.
 metabolism 2593.
 mutualism 5540.
 nests 3747.
 new species/check lists, Bhutan 2418.
 nutrient cycles 7028.
 nutrition 3504.
 pathology 4497.
 pests 3102.
 radiation effects on 5469.
 rearing 1816.
 repellents 264.
 secretion 5352.
 symbiosis 2830, 7729.
 taxonomy 111, 9088.
 taxonomy/check lists, India Kanha National Park 2419.

- Termitidae,(continued)**
 termitophily 1507.
Termitodius,
 taxonomy/new records, Guyana 8152.
Termitoides marginatus,
 cuticle glands, role, termitophily 3562.
Terpnacaridae,
 new records, Canada 5781.
Terpnacarus glebulentus,
 first record, Canada 5781.
Teruliini,
 new taxa 818.
Tessaratomia javanica,
 pheromones 5325.
 respiratory systems 1648, 1649.
Testis,
 anatomy, relationship recombination, *Drosophila melanogaster* 1825.
 biometrics, *Gastrimargus transversus* 1023.
 phospholipids, *Acheta domestica* 253.
Tetanocera,
 taxonomy/new records, Holarctic Region 8195.
Tetanops myopaeformis,
 host plants 7764.
Tethea duplaris,
 first record, Italy 6513.
Tethinidae,
 taxonomy 6626.
Tetrablemmidae,
 new species, Borneo/Sabah/West Irian 8975.
Tetracanthella,
 new species, USSR 2346.
Tetrachlorvinphos,
 control *Haematobia irritans* 3017.
 control *Sitophilus zeamais* 554.
(Z)-11-Tetradecenylacetate,
 attractants, *Choristoneura murinana* 979.
Tetragnatha extensa,
 behaviour, feeding/mating 4622.
Tetragnatha laqueata,
 taxonomy/biology 2292.
Tetragnathidae,
 behaviour 4622.
 biology 2292.
 new species, Comoro Is. 5816.
 new subspecies, Morocco 760.
 taxonomy 1430.
Tetralopha robustella,
 life cycles/parasitism 8574.
Tetramorium,
 new species, India 8251.
 revision, Ethiopian Region 2405.
Tetramorium caespitum,
 foraging behaviour, social behaviour, communication 6178.
Tetraneura nigriabdominalis,
 new records, India Kerala 8060.
Tetranychidae,
 behaviour 4607, 9436.
 biological control 2662, 5673.
 check lists, El Salvador 7229.
 chemical control 1228, 2075, 2078, 3061, 7879, 8734, 9616.
 cultural control 1243.
 development 3636, 5526, 7593.
 development/reproduction 7614.
 diapause 1027, 1645.
 ecology 3826, 3882, 3953.
 excretory systems 8395.
 growth regulators 7599.
 hatching 1031.
 host plants 4684, 4689, 4695, 6247.
 host plants effects on 6283.
 infestations 1145.
 integrated control 1246.
 life cycles 397, 3732.
 locomotor activity 1611.
 meiosis 6409.
 metabolism 3861, 5305, 6811.
 morphology 4330.
 natural enemies 549.
 new species, China, People's Rep. 5058.
 new species, USSR 6553.
 new species/new records, China, People's Rep. 15.
 new species/new records, Japan 6552.
 pest resistance *Citrus* 2892.
 pest resistance *Cucumis sativus* 3804, 7101.
 pest resistance *Fragaria* 1966, 2904.
 pest resistance *Humulus lupulus* 1134, 1146.
 pest resistance *Malus domestica* 3801.
 pest resistance *Triticum* 9635.
 population dynamics 489, 2949, 4831.
 population genetics 2189, 3175.
 populations 5621, 7785, 7788, 9491.
 populations/reproduction 8526.
 predation 510, 6284, 9543.
 predator prey interactions 1247.
 reproductive isolation 6451.
 reproductive systems 7586, 8501.
 resistance 4510.
 sex ratios 7164.
 toxicity acaricides 7562, 9283.
 toxicity insecticides 6872, 9626.
Tetranychus,
 chemical control 9616.
 competition, interspecific interactions 3826.
 diapause 7593.
 new species, USSR 6553.
Tetranychus atlanticus,
 chemical control 7879.
Tetranychus cinnabarinus,
 chemical control 1228.
 host plants 4684.
 metabolic rate, development 3861.
 toxicity insecticides 9626.
Tetranychus desertorum,
 diflubenzuron/methoprene effects on 7599.
 population dynamics/spatial distribution/natural enemies, *Solidago altissima* 2949.
Tetranychus kanzawai,
 predation 6284.
Tetranychus ludeni,
 development/oviposition, environmental effects 3636.
 life cycles 3732.
 pest status, El Salvador 7229.
Tetranychus pacificus,
 predator-prey interactions, *Phytoseiulus persimilis*,
 mathematical models 510.
Tetranychus urticae,
 adaptations, host plants 4689.
 agonistic behaviour, crowding/pheromones effects on 9436.
 avoidance behaviour, radiation (u.v.) 4607.
 biological control 5673.
 chemical control 2075, 2078.
 chitin biosynthesis 6811.
 damage *Fragaria* 1145.

***Tetranychus urticae*, (continued)**

diapause, circadian rhythms, photoperiod 1645.
 diapause induction, role carotenoids 1027.
 excretory systems, functional morphology 8395.
 fecundity/food preferences, host plants effects on 6283.
 insecticides effects on natural enemies 549.
 integrated control 1246.
 juvenile hormones analogues, biological activity 9226.
 lethality, population genetics 2189.
 locomotor activity, environmental effects 1611.
 meiosis, oocytes 6409.
 oogenesis/reproductive systems functional morphology 8501.
 pest resistance *Cucumis sativus* 3804, 7101.
 pest resistance *Fragaria* 1966, 2904.
 pest resistance *Humulus lupulus* 1134, 1146.
 population dynamics, *Metaseiulus occidentalis* predation, mathematical models 4831.
 population dynamics/reproductive success, chromosome aberrations effects on 8526.
 population genetics, reproduction 3175.
 population studies, *Prunus persica* orchards 5621.
 populations, reproductive isolation 6451.
 predation 1247, 9543.
 reproduction, host plants effects on 6247.
 reproduction, insecticides effects on 4825.
 reproductive systems/oogenesis 7586.
 sex ratios, genes regulation 7164.
 temperature/humidity effects on hatching 1031.
 toxicity acaricides, temperature effects 9283.
 toxicity synergism, fenvalerate + pesticides (organophosphorus) 6872.
***Tetraopes tetraophthalmus*,**
 flight duration, variability 3486.
 flight/migration, geographical variation 5494.
***Tetrarthrosoma*,**
 new species, Cyprus 9112.
***Tetrastichus asparagi*,**
 parasitism *Crioceris* , host selection/host preferences 3760.
***Tetrastichus bruchophagi*,**
 parasitism *Bruchophagus roddi* , USA Kansas 3255.
***Tetrastichus ceroplastae*,**
 development, Altosid effects on 8521.
***Tetrastichus dryi*,**
 biological control *Trioza erythrae*, Reunion I. 3031.
 parasitism *Trioza erythrae* , South Africa 9074.
***Tetrastichus hagenowii*,**
 antennae sensilla 9185.
***Tetrastichus haitiensis*,**
 biological control Curculionidae, introduced species, USA Florida 8743.
***Tetrastichus julis*,**
 biological control *Oulema melanopus* 5704.
 diapause, environmental factors 6877.
Tetrigidae,
 diapause 8511.
 reproductive systems 8497.
 types 4295.
***Tetrix undulata*,**
 diapause, photoperiod/temperature effects 8511.
***Tetrosorius*,**
 new genus, Malagasy Rep. 4213.
***Tettigetta*,**
 new species, Ethiopian Region 5909.
***Tettigonia*,**
 embryology, humidity/temperature effects 9309.
***Tettigonia cantans*,**
 auditory perception, ultrasound 5271.

ventral nerve cord, auditory stimuli/vibratory stimuli 6015.
Tettigoniidae,
 behaviour 8600.
 communication 4481, 4602, 9373.
 development 1021, 9309.
 energetics 6280.
 food preferences 1661.
 geographical distribution, Sweden 7212.
 geographical variation 7836.
 new records, British Isles Kent 662.
 new species, Ethiopian Region 6693.
 new species, Greece 139, 6694.
 new species/new records, USSR 140.
 senses 5271, 6015.
 sound production 368, 3702, 6179, 7540.
 taxonomy 5962, 5963.
***Tetyra bipunctata*,**
 pest status, *Pinus taeda* seeds 7874.
***Teucholabis*,**
 new species, Ecuador 1488.
 new species, Neotropical Region 1487.
***Teutates*,**
 taxonomy 7330.
***Texua unicolor*,**
 taxonomy 4297.
***Thagria*,**
 new species, Australasian Region 1497.
Thailand,
 Acari parasitism mammals 4137.
 check lists Aphidoidea 7216.
 check lists Coccinellidae 8132.
 new records Coleoptera 8059.
 new records *Periplaneta* 2297.
 new species Acrididae 4297.
 new species Cerambycidae 2312.
 new species Ceratopogonidae 8181.
 new species Dixidae 4232.
 new species Encyrtidae 99.
 new species Glyciphagidae 1423.
 new species Philopotamidae 1533.
 new species Trombiculidae 17, 2286.
 pesticide resistance, *Anopheles* 1769.
 Tabanidae fauna, book 5049.
***Thamaraea fuscicornis*,**
 defence secretions 9251.
***Thanasimus dubius*,**
 collection/rearing 5972.
 development, prey/temperature effects on 320.
 development/oviposition/predation, temperature effects 6182.
 predatory behaviour 6951.
***Thanasimus formicarius*,**
 rearing 1540.
***Thanasimus undatulus*,**
 plants effects on response pheromones 1136.
***Thanatochlamys*,**
 taxonomy 6647.
***Thanatophilus rugosus*,**
 first record, Korea, Dem. People's Rep. 3202.
***Thaumato-grapha eremnotorna*,**
 immature stages 6730.
***Thaumato-pelvis*,**
 new records, Nearctic Region 5057.
***Thaumato-poea pityocampa*,**
 chemical control 9601.
***Thaumatotibia roerigii*,**
 taxonomy 9101.

- Thaumetopoea pityocampa***,
sex pheromone 7514.
- Thaumetopoea wilkinsoni***,
chemical control 1229.
- Thaumetopoeidae**,
check lists, Spain Leon/Oviedo 703.
chemical control 1229.
- Theclines thes miskini***,
new records, West Irian 1416.
- Thelgetra latipennis***,
immature stages/biology 891.
- Thelyterotarsus***,
new species, Iran 1445.
- Theodosia***,
new species, Philippines 7293.
- Theotima***,
taxonomy 5072.
- Thera albonigrata***,
first record, Hungary 8921.
- Thera juniperata***,
parasitism 806.
- Theraphosidae**,
parasitism 443.
- Thereva nobilitata***,
feeding behaviour 6214.
- Therevidae**,
behaviour 6214.
check lists, Netherlands 5004.
new species, South Africa 2377.
- Theria primaria***,
first record, Belgium 4123.
- Theridiidae**,
behaviour 6209, 7680
biology/ecology 482.
development 5391.
ecology 4730.
feeding 9444.
new records/morphology, USSR 8905.
new species, USA 3289.
new species/new records, Comoro Is. 5816.
parasitism 7737.
predation 423.
taxonomy/zoogeography 8108.
- Theridion***,
abundance/distribution, Australia Queensland 7793.
grooming behaviour, role gnathocoxal gland 2630.
new species, Comoro Is. 5816.
new species, USA 3289.
- Therioaphis***,
chemical control/pest resistance *Medicago* 3072.
- Therioaphis maculata***,
phenology/spatial distribution, *Medicago sativa* crop fields 2947.
- Therioaphis trifolii***,
control programmes 3952.
cultural control 9620.
damage *Medicago* 5569.
infection *Entomophthora* 9269.
pathology, *Entomophthora* 9258.
pest resistance Leguminosae 1955.
pest resistance *Medicago* 8641.
pest resistance *Medicago sativa* 6241.
- Thermobia domestica***,
collagen biosynthesis/secretion 5318.
DNA, nucleotide sequence 2127.
morphology/sense organs, development 9298.
- Thermonectus basillaris***,
flight diel periodicity, environmental effects 1154.
- Thermoregulation**,
Androctonus australis /*Buthus occitanus* 1715.
Apis mellifera 7524.
behaviour, *Hemileuca oliviae* 1879.
burrows, *Anurogryllus celerinictus* 7525.
flight, *Apis mellifera* 1710.
flight physiology, *Gasterophilus intestinalis* 985.
temperature preferences, circadian rhythms, *Tipula plutonis* 9423.
- Thersamonia thersamon***,
first record, Italy Calabria 696.
- Thienemannella***,
revision, USA 1475.
- Thiofanox**,
control *Phyllocoptruta oleivora* /pollution effects
Phytoseiidae 3046.
- Thiourea**,
effects glycogen biosynthesis, ovarioles, *Sarcophaga ruficornis* 1033.
- Thomasiniana oleisuga***,
population dynamics, Jordan 5601.
- Thomisidae**,
new records, Germany, Fed. Rep. Rheinland 4102.
new species, Brazil 4172.
new species, fossils, Dominican Rep. 6561.
new species, Japan 4173.
new species, Morocco 760.
new species, Sumatra 8983.
new species/new records, Ethiopian Region 4174.
protozoa 6088.
taxonomy 3290, 4175, 5825.
- Thoracosathes thoracosathes***,
new records, New Zealand 8899.
- Thorax**,
cysts, *Formica* 1590.
morphology, Hymenoptera 8348.
prothorax skeleton/muscles, phylogeny, Coleoptera 3182.
sclerites, taxonomic significance, Dolichopodidae 2360.
- Thrincopege***,
taxonomy/geographical distribution/biology 4187.
- Thrincopege alacris***,
new records, Mexico 4187.
- Thripidae**,
behaviour 9426.
chemical control 1164.
chemical control/Hercinotherps femoralis 6351.
development 3637.
immature stages/host plants 8329.
new species/new records, Australia/India/Surinam/Trinidad 152.
new species/new records, Indonesia/Malaysia/Philippines/St. Vincent 1532.
pests 6000.
predation 6941, 7002.
taxonomy 1531, 4301.
traps 7429.
wings 1619.
- Thrips physapus***,
flight preparation, wings, mechanical properties 1619.
- Throscidae**,
keys, Italy 36, 37, 38.
new species, Panama 8169.
- Thrypticus***,
new species, USA 8186.

- Thyasidae**,
taxonomy 8100.
- Thyatridae**,
new records, Italy 6513.
pupae/taxonomy 7389.
review/check lists, Iberian Peninsula 693.
revision/check lists, Iberian Peninsula 1381.
- Thymelicus flavus**,
coloration 9240.
- Thynnidae**,
new species, India 2414.
- Thyrecephalus orthodoxus**,
predatory behaviour/life cycles 3894.
- Thyreodon**,
new species, USA 7360.
- Thyreophagus**,
new species, Spain 5800.
- Thyridanthrax**,
taxonomy 8177.
- Thyrididae**,
immature stages 8339.
new records, Spain Navarra 3233.
- Thyridopteryx ephemeriformis**,
diapause, environmental factors 5399.
- Thyris fenestrella**,
first record, Spain Navarra 3233.
immature stages 8339.
- Thyrsocnema incisilobata**,
myiasis, man 3012.
myiasis man 3934.
- Thysanocnemis**,
taxonomy 5093.
- Thysanocroce**,
taxonomy 4294.
- Thysanoptera**,
taxonomy/phylogeny 2444.
- Thysanura**,
development 9298.
- Tibellus maritimus**,
first record, Germany, Fed. Rep. Rheinland 4102.
- Tibicina cisticola**,
new subspecies/check lists, France Corsica 6643.
- Tick-borne encephalitis**,
tick-borne encephalitis virus, control/prophylaxis 1209.
- Timogenes**,
new species, Argentina 31.
- Tindea**,
new genus, Leptophlebiidae 1490.
- Tinea**,
new species, Philippines 865.
- Tinea metonella**,
chemical control, wool 3057.
- Tinea pellionella**,
water balance, larvae case construction 5341.
- Tinea steuerei**,
first record, Germany, Fed. Rep. 8049.
- Tineidae**,
behaviour/life cycles 1901.
check lists, Iberian Peninsula 692.
check lists, Tunisia 3234.
chemical control 3057.
eggs 189.
immature stages 8332.
metabolism 8413.
new record, Iberian Peninsula 1380.
new records, Germany, Fed. Rep. 8049.
new records, Sweden 706.
new species/check lists, Sardinia 1522.
nutrition 1656.
osmoregulation 5341.
taxonomy 865, 6680, 9100.
taxonomy/geographical distribution, Palaearctic Region 4288.
toxicity insecticides 2671.
- Tineola bisselliella**,
growth/metabolism, humidity effects 8413.
nutrition 1656.
toxicity permethrin, eggs 2671.
- Tingidae**,
bionomics 3719.
host plants 9613.
new records, Belgium 5771.
new species, Malawi 4250.
new species/new records, Afghanistan 9066.
new species/new records, Ethiopian Region 5141.
predation 7002.
taxonomy 6636.
teratology 9146.
weed control *Lantana camara* 6238.
- Tingis**,
new records, Belgium 5771.
new species/new records, Afghanistan 9066.
- Tinocallis kahawaluokalani**,
chromosomes 2147.
- Tinodes dives**,
new subspecies, Yugoslavia/Italy 869.
- Tinodes maclachlani**,
first record, Malta 8058.
- Tinodes maculicornis**,
larvae 2481.
- Tiphidae**,
reproductive isolation 5455.
- Tipula**,
new species, fossils, Canada 7324.
taxonomy 8204.
- Tipula abdominalis**,
digestion proteins/carbohydrates 4405.
larvae, gut microflora, bacteria 1924.
- Tipula plutonis**,
temperature preferences, circadian rhythms 9423.
- Tipula regelationis**,
taxonomy 9058.
- Tipula sacra**,
life cycles 1895.
- Tipula simplex**,
diapause, eggs 4534.
hatching, environmental factors 5414.
- Tipulidae**,
chromosomes 8821.
development 4534.
digestion 4405.
life cycles 1895.
neurosecretion 9249.
new species, Austria 9059.
new species, fossils, Canada 7324.
new species, Neotropical Region 1487, 1488.
phylogeny 4099, 9060.
populations 5414.
sense organs 1639.
symbiosis 1924.
taxonomy 7323, 8204, 9058.
thermoregulation 9423.
traps 6717.

- Tipulparra**,
new genus, India 5914.
- Tiracola**,
taxonomy 8270.
- Tiracola grandirena**,
new subspecies, Neotropical Region 8270.
- Tischeriidae**,
taxonomy 9090.
- Titan**,
taxonomy 5110.
- Tityus bahiensis**,
spermatozoa, ultrastructure 1598.
- Tityus cambridgei**,
embryos, teratology 5397.
- Tmesibasis**,
new species, Gambia 5210.
- Tmolus azia**,
first record, Jamaica 723.
- Tobago**,
pest status Aphididae 3028.
- Tokunagayusurika akamushi**,
polytene chromosomes 1321.
- Tollius**,
stridulatory apparatus 7539.
- Tomares ballus**,
morphology 200.
- Tomaspis**,
taxonomy 817.
- Tomaspis insignita**,
life cycles 2805.
- Tomieus**,
pest attacks, *Pinus sylvestris* forests 3045.
- Tomieus piniperda**,
pest status/damage, Finland 2089.
predation 5608.
- Tomoceridae**,
new species, India 6598.
orientation 4600.
osmoregulation 4471.
- Tomocerus**,
new species, India 6598.
- Tomocerus longicornis**,
orientation, rheotaxis 4600.
- Tomocerus minor**,
water balance, cuticle 4471.
- Tomopteris**,
new species, Mexico 773.
- Tomrogersia**,
new genus, Colombia 8124.
- Tongdotettix**,
new genus, Korea, Rep. 5148.
- Topomyia**,
new species, Philippines 74.
- Torneucerus**,
new genus, Neotropical Region 9002.
- Torneutini**,
taxonomy 9002.
- Torneutropsis**,
new genus, Brazil 9002.
- Torpedo**,
nerves, bungarotoxin binding 6090.
- Torrenticola amplexa**,
immature stages 8338.
- Torrenticolidae**,
immature stages 8338.
- Torridincolidae**,
new species, Brazil 7302.
- Tortembolus**,
taxonomy 23.
- Tortricidae**,
adaptations 315.
attractants 262, 979, 1252, 1253, 4440.
behaviour 3700, 4832, 6257, 8558.
behaviour/pheromones 9365.
biological control 3091, 5656, 6363, 7100.
biology 1090, 3723.
biology/host plants 9376.
biology/parasitism 9380.
British Isles, book 731.
chemical control 553, 2098, 3044, 3071, 6346, 8768.
cocoons 409.
control 2092, 4842, 5676, 5700, 5708.
courtship 352.
cuticle 1606, 2507.
development 2724, 6889.
diapause 4540, 5398, 6127, 6129.
diets 1554.
dispersal 1155, 5577.
ecology 1990, 3859, 8661.
eggs 408.
fecundity 5227.
fertilization 3651.
glands 7536.
growth regulators 5387, 6147.
haemocytosis 3492.
host plants 1151, 3781.
host preferences 3798.
immature stages 6730, 7438.
integrated control 3058, 8738.
life cycles 2961, 7709, 9433.
life cycles/host plants 7683.
mating 2759, 2761.
new records, British Isles London 660.
new records, Denmark 679.
new records, host plants 7239.
new records, Netherlands 7205.
new records, Sweden 706, 1392.
new records, USA 8941.
new records, USSR Lithuania 3235.
new records/attractants, Hungary 3225.
new species, Canada 6682.
new species, Canada/USA 8282.
new species, Chile *Proeulia*, new species, Chile 5208.
new species, Europe 8281.
new species, USA 866.
nutrition 3502.
oviposition 3683.
parasitism 432, 435, 4667, 6232, 6976, 8617.
pathology 2648, 3587, 6843.
pest control, conference 3262.
pesticide resistance 3605.
pests 386, 574, 1964, 2077, 3713, 3974, 4835, 5013, 5679,
5685, 5693, 5712, 6366, 7105.
phenology 7030.
pheromone traps 4313, 6720.
pheromones 977, 2605, 3550, 4377, 4436, 4452, 4459, 4463,
4587, 4588, 5326, 6048.
population levels 5232.
populations 1999, 5236, 6287, 6305, 6309, 8659, 8674.
predation 3857.
pupae 170, 893.
pupation 1052.
rearing 9123.

Tortricidae, (continued)

reproduction 7630.
rhythms 6023.
sampling 4328, 4823.
sense organs 221, 1637.
sex pheromone 1702.
survival/reproduction 7621.
taxonomy 1523, 6681, 7390, 7391, 8278, 8279, 8280, 9101.
toxicity acephate 6860.
toxicity *Bacillus thuringiensis* 6865.
toxicity diflubenzuron 5380, 6106, 6867.
toxicity insecticides 6092.
toxicity methyl bromide 6096.
traps 1558, 3990, 5970, 5975, 9235.
viruses 8451.
vitamins 5299.
zoogeography 8071.
Tortrix,
taxonomy 6681.
Tortrix viridana,
integrated control 8738.
Torymidae,
fossils 8257.
new species, Hungary/Germany, Fed. Rep. 6650.
parasitism 2253, 2401, 3080, 3255, 4631.
pests 7074.
reproductive systems 2698.
taxonomy 1515.
Torymus,
parasitism *Dryocosmus kuriphilus* 4631.
Toumeyella,
pest status, *Pinus rigida* 5679.
Toxares deltiger,
parasitism *Metopolophium dirhodum* 2844.
Toxicity,
acaricides, *Acarus siro* / *Glycyphagus destructor* / *Tyrophagus* 6858.
acaricides, *Panonychus ulmi* 7562.
acaricides, *Psoroptes* 518.
acaricides, temperature effects, *Phytoseiulus persimilis* / *Tetranychus urticae* 9283.
acephate, *Choristoneura* 6860.
acephate, *Coleophora laricella* 8463.
acephate/carbaryl, *Choristoneura occidentalis* 6092.
aflatoxin B₁, resistance genes, *Drosophila melanogaster* 1342.
aflatoxins, *Heliothis zea* / *Ostrinia nubilalis* / *Spodoptera frugiperda* 297.
Agallol 3, *Drosophila melanogaster* 6869.
alkaloids, *Euxoa messoria* 9333.
amidinohydrazones, *Solenopsis invicta* 9286.
antilipidemic agents, *Callosobruchus chinensis* eggs 9289.
aromatic-L-amino-acid decarboxylase inhibitors, *Lucilia cuprina* 1599, 1766.
aryl isothiocyanates, *Aedes aegypti* 2667.
aryl terpenoid ethers, *Aedes taeniorhynchus* / *Anopheles* 2669.
Astragalus miser nectar, *Apis mellifera* 6109.
Bacillus popilliae susceptibility, Scarabaeidae larvae 3100.
Bacillus sphaericus spores, *Anopheles stephensi* 4512.
Bacillus thuringiensis + insecticides, *Spodoptera frugiperda* 6854.
Bacillus thuringiensis, *Adoxophyes orana* 6865.
Bacillus thuringiensis, *Aedes* 5379.
Bacillus thuringiensis, *Aedes aegypti* 8456.
Bacillus thuringiensis, *Anopheles stephensi* / *Culex pipiens* + nontarget organisms 7563.

Bacillus thuringiensis, *Ephestia cautella* / *Plodia interpunctella* 1753.
Bacillus thuringiensis - *Anopheles albimanus* / *Culex quinquefasciatus* 6870.
Bacillus thuringiensis endotoxins, *Bombyx mori* 995.
Bacillus thuringiensis exotoxins, *Agrotis ipsilon* / *Musca domestica* 301.
Bacillus thuringiensis insecticides, *Culex pipiens* 7567.
Bacillus thuringiensis / *Nomuraea rileyi*, *Trichoplusia ni* 6856.
Bacillus thuringiensis toxins, Lepidoptera 7569.
benzoylureas, structure-activity relationships, *Musca domestica* 3604.
carbofuran, tissues, *Nauphoeta cinerea* / *Tanyemecus dilaticollis* 9276.
carbofuran residues, *Nilaparvata lugens* 3092.
Ceresan, *Drosophila* 8465.
CGA 72662, *Musca* 6352.
chlordimeform, mechanism, *Spodoptera littoralis* 1757.
chloromethiuron, *Boophilus microplus* 313.
chlorpyrifos, *Haematopinus suis* 5376.
chlorpyrifos-methyl, Simuliidae 6873.
chlorpyrifos/temephos, *Aedes* 5385.
Daibergeria plant extracts, *Uettheisa pulchella* 1779.
DDT analogues, *Periplaneta americana* 9291.
DDT/malathion, *Anopheles maculipennis* 1758.
1,2-dibromoethane, *Bombyx mori* 8467.
diflubenzuron, *Achoea janata* 9326.
diflubenzuron, *Anthonomus grandis* 6098.
diflubenzuron, *Cydia pomonella* 6106.
diflubenzuron, *Heterotermes indicola* / *Reticulitermes flavipes* 7615.
diflubenzuron, *Hylotrupes bajulus* larvae 1781.
diflubenzuron, mechanisms, *Adoxophyes orana* / *Cydia pomonella* 6867.
diflubenzuron, *Ostrinia nubilalis* eggs 6102.
diflubenzuron, *Pseudoplusia includens* 1767.
diflubenzuron, *Spodoptera littoralis* eggs 2678.
diflubenzuron, *Stomoxys calcitrans* 6105.
22,23-dihydroavermectin-B, *Haematopinus suis* 2658.
EL-494, *Lymantria dispar* 314.
endosulfan, *Apis mellifera* 3600.
endosulfan, *Glossina morsitans* 6857.
etrimfos, *Lymantria dispar* / *Musca domestica* 5374.
fatty acids esters, *Heliothis* / *Pectinophora gossypiella* 1755.
fenvalerate, Homoptera 3104.
fenvalerate/permethrin, *Chrysopa carnea* 1763.
formaldehyde, ecdysones/plant extracts effects on, *Bombyx mori* 8464.
fumigants, stored products Coleoptera 9290.
fungicides, *Acyrtosiphon pisum* 4515.
furanocoumarins, plant chemicals, *Papilio polyxenes* 8483.
Gonyaulax toxins, *Blattella germanica* 3601.
gossypol, *Spodoptera littoralis* 8474.
growth regulators, *Choristoneura fumiferana* 6147.
growth regulators, pollution effects, nontarget organisms, freshwater environments 7116.
growth regulators/pyrethroids, *Aedes aegypti* 5384.
halothane/chloroform resistance, *Drosophila melanogaster* 1345.
heavy metals, *Chironomus tentans* 6853.
heavy metals, *Tanytarsus dissimilis* 1778.
herbicides poisoning, *Bombyx mori* 5301.
Heteromeles arbutifolia, Insecta 4506.
hydroquinone, *Periplaneta americana* 924.
Hymenaea resins, *Spodoptera exigua* 7766.
industrial pollution, *Chironomus tentans* 1006.

Toxicity, (continued)

- insecticides, *Anomis sabulifera* 2672.
insecticides, *Apion corchori* 1015.
insecticides, *Apis mellifera*, nontarget organisms 2670.
insecticides, *Atta laevigata* 1017.
insecticides, Carabidae 2682.
insecticides, Chironomidae 6852, 7856.
insecticides, Chrysomelidae/Coccinellidae/Eulophidae 1777.
insecticides, *Chrysopa boninensis* 2787.
insecticides, *Coccinella repanda* 312.
insecticides, *Cosmopolites sordidus* 8476.
insecticides, *Cycloneda sanguinea* / *Brevicoryne brassicae* 2679, 2681.
insecticides, *Dioryctria amatella* 2661.
insecticides, *Earias insulana* 7564.
insecticides, environmental effects, *Tribolium confusum* 2680.
insecticides, *Euxoa messoria* 2684.
insecticides, *Euxoa messoria* / *Delia* 6110.
insecticides, Formicidae 1005.
insecticides, *Haematobia irritans* / *Stomoxys calcitrans* 9293.
insecticides, host plants effects on, *Peridroma saucia* 9615.
insecticides, *Lachnosterna consanguinea* 3608.
insecticides, *Leptinotarsa decemlineata*, USA Connecticut 1759.
insecticides, *Lycoriella auripila* / *Megaselia halterata* 305.
insecticides, *Lyctus brunneus* 4511, 5375.
insecticides, *Myzus persicae*, pesticide resistance 2664.
insecticides, *Pediculus capitis* 303, 6107.
insecticides, *Perillus bioculatus* 6871.
insecticides, *Pteronarcella badia* 8484.
insecticides, *Rhagoletis pomonella* 9619.
insecticides, *Schistocerca gregaria* 5386.
insecticides, steroids effects on, *Sitophilus oryzae* 8470.
insecticides, *Stomoxys nigra* 300.
insecticides, *Symphorobius sanctus* / *Cryptolaemus montrouzieri* 7565.
insecticides, *Tetranychus cinnabarinus* 9626.
insecticides, *Tryporyza nivella* 6093.
insecticides synergism, *Cylas formicarius* 2663.
isothiocyanates, *Anastrepha suspensa* / *Rhagoletis pomonella* 1004.
L 7063, *Apanteles fumiferanae* / *Choristoneura fumiferana* / *Glypta fumiferanae* 5387.
lindane effects on corpora allata, *Locusta migratoria* 3599.
malathion, methodology, *Drosophila melanogaster* 2466.
mephosfolan, *Anthocoris*, non-target organisms 9277.
Metarhizium anisopliae proteinase, *Galleria mellonella* larvae 1014.
methomyl, *Heliothis virescens* eggs 6103.
methoxychlor, Simuliidae/nontarget organisms 9285.
methyl bromide, *Blattella germanica* 2657.
methyl bromide, *Cydia pomonella* 6096.
methyl bromide, *Ephestia elutella* 8471.
methyl bromide, humidity effects on, *Sitophilus granarius* 9288.
methyl bromide, *Plodia interpunctella* / *Sitotroga cerealella* 1768.
methyl parathion, *Lygus lineolaris* 3611.
methyl parathion/NRDC-161, *Anthonomus grandis* 1756.
mirex, *Mastotermes darwiniensis* 9279.
monensin, *Haematobia irritans* / *Musca autumnalis* 9282.
mycotoxins, *Tyrophagus putrescentiae* 1011.
Nerium odorum, *Utheisa pulchella* 2869.
organophosphoramides, *Heliothis* 3937.
organotin compounds, *Keiferia lycopersicella* 2101.
permethrin, *Culex quinquefasciatus* 1773.
permethrin, Culicidae 6326, 7071.
permethrin, eggs *Attagenus megatoma* / *Tineola bisselliella* 2671.
permethrin, residual effects, *Sitophilus zeamais* / *Tribolium castaneum* 8479.
pesticide resistance, *Plutella xylostella* 570.
pesticides, *Apis* 5982.
pesticides, beneficial insects 7571.
pesticides metabolism, review 9287.
phosphine absorption, *Tribolium castaneum* 575.
phosphorothionates, *Solenopsis richteri* 2683.
phthalates + organophosphates, *Musca domestica* 1774.
phytobacteriomycin, *Culex pipiens* 298.
Piper guineense extracts, stored products Insecta 2668.
Piper nigrum plant extracts, *Callosobruchus maculatus* 6861.
plant extracts, *Aedes aegypti* 7613.
plant extracts, *Thevetia thevetiodes* seeds, *Ostrinia nubilalis* 2891.
pollution effects endrin/methoxychlor, aquatic organisms 2122.
polycyclic hydrocarbons, *Acheta domestica* 2665.
precocene, *Pediculus humanus* 4507.
pyrethroids, *Anopheles quadrimaculatus* / *Psorophora columbiae* 528.
residual effects, propoxur, *Dysdercus cingulatus* 1776.
resins, *Culex pipiens* 3603.
rose bengal, Lepidoptera larvae 311.
seeds mucilage, Culicidae larvae 2870.
sodium fluosilicate/fluoroacetamide, diflubenzuron effects on, *Musca domestica* 3598.
sulprofos, *Anthonomus grandis* / *Heliothis* 2082.
synergism, fenvalerate + pesticides (organophosphorus), *Tetranychus urticae* 6872.
terbufos + derivatives, *Acheta pennsylvanicus* 6099.
thiotepa/triethylenephosphoramide, *Popillia japonica* 337.
trimorfamide, *Drosophila melanogaster* 8468.
vetrazin, *Lucilia cuprina*, pesticide resistance pesticides (organophosphorus) 1016.
volcanic eruptions ash, Insecta 8477.
xanthenes dyes, *Agrotis ipsilon* 2659.
2,4-D, *Ceuthorrhynchidus horridus* 1008.
- Toxicology,**
Buthus occitanus venom, guinea-pigs/rabbits 292.
Epicauta lemniscata, cantharidin, horses/sheep 299.
Heterometrus fulvipes venom 3602.
hymenoptera stings, diagnosis hypersensitivity, man 1010.
venom allergens, *Vespa* 3597.
venom allergens/characterization, Hymenoptera 302.
- Toxins,**
cantharidin, *Epicauta* 6319.
Centruroides venom, man, case reports 5383.
effects on salivary gland activity, *Calliphora erythrocephala* 6069.
neurotoxins, Insecta/Scorpiones 5381.
neurotoxins, mechanisms, review 9281.
venom, allergens, *Vespa maculifrons* 7839.
venom, effects on blood coagulation, *Centruroides sculpturatus* 7053.
venom, hypersensitivity, Hymenoptera 7574.
venom, insects, hypersensitivity (immediate), man, review 5636.
venom, protein kinase, *Latrodectus tredeasimguttatus* 7566.
venom, toxicology, *Latrodectus antheratus* 8481.
venom, *Vespa* / *Vespa* 9278.
venom biochemistry, *Heterometrus scaber* 6832.
venom characterization, *Apis mellifera* 4503.

Toxins,(continued)

- venom effects on heart rats, *Apis mellifera* 6081.
 venom hyaluronidase, *Apis mellifera* 6813.
 venom phospholipase A₂, *Vespa orientalis* 6808.
 venom proteins, *Heterometrus scaber* 6833.
 venom toxicity-man, *Discaelius japonicus* 6079.
 venom toxicity mice, Hymenoptera 6091.
- Toxoptera**,
 chromosomes 8814.
- Toxoptera aurantii**,
 parasitism, Braconidae, *Citrus*, Italy 9449.
- Toxopterella**,
 new species, USA 8227.
- Toxorhina**,
 taxonomy 7323.
- Toxorhynchites**,
 development 6190.
 habitat utilization, seasonal variations 8670.
 taxonomy 1476.
- Toxorhynchites amboinensis**,
 cell culture 3448, 9147.
 vectors viruses 9586.
- Toxorhynchites brevipalpis**,
 antennal sensilla, ultrastructure 1633.
 larvae, predatory behaviour/food consumption 5529.
 sense organs, abdomen 223.
- Toxorhynchites rutilus**,
 larvae, predatory behaviour 5535.
 predation *Aedes aegypti* 8683.
- Toxorhynchites splendens**,
 phosphoglucosomutase enzyme polymorphism 2165.
- Trabisotus**,
 taxonomy 5109.
- Trabisus**,
 taxonomy 5109.
- Trachea**,
 anatomy, *Tessaratomia javanica* 1648.
- Trachelipus rathkei**,
 population dynamics 7006.
- Trachycormocephalus**,
 new species, India 4306.
- Trachymyrmex**,
 new species, Dominican Rep., fossils 827.
- Trachypella bovilla**,
 zoogeography 6625.
- Trachyphloeus**,
 new species/new records, Bulgaria (People's Rep.) 5853.
- Trachypus**,
 biology 377.
- Trachyrhinus**,
 taxonomy 8986.
- Trachytes**,
 taxonomy 5063.
- Trachyuropoda**,
 new species/new records, Czechoslovakia 5062.
- Tramea limbata**,
 infection *Nosema limbata* / *Thelohania limbata* 6851.
- Tramea transmarina**,
 new records, New Zealand 6494.
- Tramiathaea cornigera**,
 defence secretions 9251.
- Traps**,
 attractants, vision, Culicidae 3011.
 baits, *Cochliomyia* 3422.
 baits, sex pheromone, *Plutella xylostella* 970.
 baits, *Synanthedon myopaeformis* 2601.
 behaviour, Phlocidae 5242.
 Coleoptera 2467.
 colour preferences, *Beta vulgaris* crop fields, Insecta 2970.
 community composition, Araneae 5618.
 community composition Solifugae 5589.
Culex tarsalis 3430.
Culicoides 4844.
 emergence, Culicidae 3416.
 emergence, *Culicoides variipennis* 3487.
 emergence, *Diabrotica* 172.
 emergence, pasture Insecta 3419.
 emergence traps, grasslands Insecta 4311.
 estimation phenology, *Plutella xylostella* 2786.
Glossina 6708.
Heliothis 6713.
Hylemyia platura 884.
 invertebrates, snow 2455.
 larvae *Coccus hesperidum* 872.
 light traps 2453, 2465, 7413.
 light traps, Carabidae, Canada Quebec 2243.
 light traps, catches Lepidoptera 3420.
 light traps, Insecta 876.
 light traps, integrated control *Dendrolimus punctatus* 6334.
 light traps, Tachinidae 874.
 pheromone traps, *Adoxophyes* 3990.
 pheromone traps, *Agrotis fucosa* 3549.
 pheromone traps, *Anthonomus grandis* 1541, 1556.
 pheromone traps, control *Adoxophyes fasciata* 2092.
 pheromone traps, control *Cydia pomonella* 5708.
 pheromone traps, control Tortricidae pests *Malus* 2098.
 pheromone traps, *Cryptophlebia leucotreta* 5970.
 pheromone traps, *Cydia nigricana* 5975.
 pheromone traps, *Cydia pomonella* 1558.
 pheromone traps, *Diacrisia obliqua* 5452.
 pheromone traps, dispersal *Cydia pomonella* 5577.
 pheromone traps, *Heliothis armigera* 973.
 pheromone traps, monitoring *Agrotis segetum* 5984.
 pheromone traps, monitoring *Costelytra zealandica* phenology 3735.
 pheromone traps, *Pectinophora gossypiella* / *Spodoptera littoralis* 3939.
 pheromone traps, population levels monitoring, *Cydia nigricana* 7030.
 pheromone traps, population studies *Cydia pomonella* 6305.
 pheromone traps, population studies *Lymantria monacha* 5612.
 pheromone traps, *Prays citri* infestations, *Citrus*, Sicily 9591.
 pheromone traps, *Spodoptera littoralis* 4449.
 pheromone traps, Tortricidae 5326.
 pheromone traps, use diazinon, *Spodoptera littoralis* 3425.
 pheromone traps efficiency, population studies, *Cydia pomonella* 4313.
 pitfall traps, *Calosoma frigidum* 179.
 pitfall traps, sampling Scarabaeidae 3869.
Rhagoletis pomonella 2450.
 Scarabaeidae 3417.
 sticky traps, washing equipment 873.
 suction traps, *Cryptococcus fagisuga* 2458.
 visual preferences, *Ophiomyia simplex* 4439.
- Trathala plesia**,
 parasitism *Acrobasis* 5506.
- Trechus**,
 new species, Asia 3303.
 new species/zoogeography, Italy 765.
 taxonomy 5840, 5844.

- Trechus austriacus*,**
occurrence/biology, Poland Warsaw 2219.
- Trechus pourtoyi*,**
taxonomy 3306.
- Trematoda,**
Dicrocoelium hospes, hosts, *Camponotus compressiscapus* 7843.
- Trentepohlia*,**
new species, Ecuador 1488.
- Trepobates subnitidus*,**
immature stages/life cycles 7696.
- Trestonia capreola*,**
immature stages 905.
- Trianaodes simulans*,**
first record, Poland 6702.
- Trianaodes tardus*,**
oviposition 6169.
- Trialeurodes vaporariorum*,**
biological control 5660, 9618.
biological control, review 5694.
bionomics 6206.
chemical control 3982, 9593.
feeding strategy/population growth 3827.
parasitism 5548, 8612.
pathogenicity *Verticillium fusisporum* 3580.
populations, spatial distribution 4763.
survival/natural enemies 2817.
- Triatoma*,**
genitalia 5251.
taxonomy/ecology/geographical distribution, Bolivia, review 5483.
- Triatoma barberi*,**
feeding behaviour, effects on blood meal antigens 9190.
feeding blood meals, methodology 2461.
feeding/Trypanosoma cruzi infection 516.
- Triatoma infestans*,**
chemical control 7861.
cholinesterases/esterases activity, parathion resistance 7492.
cuticle, head 1601.
esterase activity, insecticides metabolism 9207.
isoenzymes 1684.
larvae, ultrastructure Malpighian tubules 2576.
nutritional status, populations 9535.
population regulation 9512.
vectors Chagas' disease 4796.
- Tribalus*,**
taxonomy 786.
- Tribolima carnegiei*,**
taxonomy 2296.
- Tribolium*,**
aggregation pheromone 7513.
biological control 1249.
cannibalism, competition 3846.
competition 9505.
competition/population growth 3855.
larvae 8328.
longevity, isolation effects on 7025.
population dynamics, ozone effects on 9540.
repellents 6059.
- Tribolium castaneum*,**
absorption phosphine 575.
chemical control 3983, 8764.
chemosterilants 5425.
chemosterilants, *Santalum album* plant extracts 2728.
chitin synthase inhibition 1668.
chromosomes 9681.
crowding + *Nosema whitei* infection effects on 3577.
damage/pest status, stored products *Zea mays* 3049.
determination oviposition rates 7428.
dispersal, environmental effects 2908.
egg production levels, role dispersal 2906.
eggs, weird mutant, humidity effects on hatchability 628.
epoxide hydase 9205.
fecundity, diets effects on 6144.
fitness/adaptations, environmental stress 5751.
inbreeding, population density 4966.
inheritance, fecundity 4973.
intraspecific hybridization, combining ability 4949.
larvae, heterosis/weight, genotype-environment interactions, population genetics 2184.
malathion resistance/susceptibility 4505.
nutrition, *Oryza*/*Triticum* diets 8412.
oogenesis 4575.
oviposition, genotype-environment interactions 2175.
pest control, radiation (γ), stored products 3098.
pest status, stored products 3064.
phosphine pesticide resistance, cross resistance insecticides 295.
phosphine resistance, selection 8475.
population dynamics/environmental factors, mathematical models 5605.
population genetics, groups selection 2185, 2186.
population genetics, sex ratios/population density 2182.
radiation (γ), lethal dose 326.
repellents, diethyltoluamide 3551.
residual effects permethrin 8479.
sterilization/mortality, radiation (γ) 2731.
weight, geographical variations 183.
- Tribolium confusum*,**
amylase activity 5295.
bioassays, *Hordeum* proteins evaluation 1548.
chitin biosynthesis inhibition, insecticides 922.
control, use diatomaceous earth 6340.
food preferences, *Penicillium* 235.
Horned gena mutant 9689.
Hymenolepis recovery-mebendazole inhibition 2047.
insecticides toxicity, environmental effects 2680.
melanism 7964.
repellents, phenols 265.
spatial distribution, mathematical models 4762.
susceptibility chitin inhibitors 1049.
toxicity fumigants 9290.
- Tribolium destructor*,**
first record, Czechoslovakia Slovakia 3195.
pathogenicity *Entomophthora virulenta* 279.
- Trichillum*,**
new species/immature stages, Brazil 7295.
- Trichocera*,**
taxonomy 9058.
- Trichocera saltator*,**
first record, cadavers 4789.
- Trichoceridae,**
first record, cadavers 4789.
phylogeny 4099.
- Trichocorixa*,**
new species, Argentina 5135.
- Trichocorixa reticulata*,**
osmoregulation, salinity effects 5340.
- Trichodectidae,**
chemical control 5637.
life cycles 9557.
new records, Spain 7206.
new species, Ivory Coast/Nigeria 6683.
new species, Mexico 1526, 2437, 9103.

Trichodectidae, (continued)

new species, USA 138.

parasitism 439, 9555, 9556.

taxonomy 7393.

Trichodes,

interspecific hybridization 4081.

taxonomy 5847.

Trichogomphus,

new species, Borneo 1461.

taxonomy 6575.

Trichogramma,

artificial diets 160.

competition, interspecific interactions 5630.

ecology/biological control *Chilo partellus* /*Heliothis armigera* 8668.

new species, Brazil 5943.

new species, USSR 5942.

parasitism *Corcyra cephalonica* 5547.

parasitism *Papilio xuthus* 2951.

taxonomy 1516.

Trichogramma australicum,

parasitism *Acherontia styx* 1929.

Trichogramma cacoeciae,

pathogenicity *Bacillus thuringiensis* 2641.

Trichogramma dendrolimi,

biological control *Dendrolimus punctatus* 6374.

Trichogramma embryophagum,

parasitism *Ephestia kuehniella*, host selection, learning 3762.

Trichogramma funiculatum,

parasitism *Epiphyas postvittana* 6976.

Trichogramma maidis,

fecundity, variation 7834.

Trichogramma minutum,

parasitism *Ancylis discigerana* 9380.

Trichogramma pretiosum,

biological control *Heliothis* 7872.

development, temperature effects 8519.

parasitism *Heliothis* eggs, diflubenzuron effects on 3048.

parasitism *Sitotroga cerealella* /*Trichoplusia ni* 9458.

Trichogrammatidae,

behaviour 3762.

competition 5630.

development 8519.

ecology/biological control 8668.

fecundity 7834.

natural enemies *Sextius virescens* 1094.

new species, Brazil 5943.

new species, India 9084, 9085.

new species, Japan 7367.

new species, Malagasy Rep. 9086.

new species, USSR 5942.

parasitism 1929, 2735, 2819, 2951, 3048, 4733, 4765, 5547, 6374, 6975, 6976, 7872, 9380, 9458.

pathology 2641.

rearing 160.

taxonomy 1516.

Trichogrammatoidea bactrae,

parasitism *Achaea janata*, new records 6975.

Trichohippopsides,

new genus, Brazil 775.

Tricholioproctia,

larvae 191.

Tricholipeurus,

parasitism *Odocoileus* 439.

Trichomyia,

new species, USA 5890.

Trichoneura,

taxonomy 7323.

Trichoniscus,

ecology, forests, Japan 3893.

Trichoniscus pusillus,

sex ratios 6118.

Trichophaga,

taxonomy/geographical distribution, Palaearctic Region 4288.

Trichoplusia circumscripta,

first record, Italy 1383.

Trichoplusia ni,

attractants 2606.

Autographa californica nuclear polyhedrosis virus, pathology 5372.

biological control/chemical control 9622.

cell lines, transfection *Autographa californica* nuclear polyhedrosis virus DNA 4501.

chemical control 3040, 3969, 9616.

electroantennograms, sex pheromone 2542.

histopathology, nuclear polyhedrosis virus 4493.

juvenile hormones esterase 4569.

juvenile hormones esterase, haemolymph 2744.

juvenile hormones esterase, inhibitors 8400.

juvenile hormones esterase, regulation 7535.

larvae, susceptibility *Bacillus thuringiensis*, age/antibiotics effects on 9265.

larvae, toxicity rose bengal 311.

parasitism 9451, 9458.

pathogenicity *Vairimorpha necatrix* 8455.

pest resistance *Brassica oleracea* 7075.

pest resistance *Lactuca* 7903.

rearing, adaptations 7420.

rearing, artificial diets 2448.

sex pheromone 4442.

sex pheromone release 6824.

toxicity *Bacillus thuringiensis* /*Nomurea rileyi* 6856.

Trichopoda pennipes,

attractants, *Nezara viridula* pheromones 975.

Trichopria,

new records/new species, Mongolia, People's Rep. 4265.

new species, India 5163.

parasitism *Tabanus nigrovittatus* 7745.

Trichoprosopon digitatum,

population structure, competition effects on 8656.

resource partitioning, *Heliconia aurea* communities 4745.

Trichopsentus depressus,

trail following behaviour *Reticulitermes* trail pheromone, termitophily 427.

Trichopsentus frosti,

termitophily, mimicry, cuticle hydrocarbons 5539.

Trichopsocidae,

new records, Yugoslavia 1397, 3239.

Trichopsocus dalei,

first record, Yugoslavia 1397, 3239.

Trichoptera,

behaviour 6169.

check lists, Switzerland Balmoos 1398.

check lists, USA Ohio 5789.

check lists/new records, Mongolia, People's Rep. 5025.

community composition, streams, agriculture land use effects on 2113.

emergence, environmental effects, streams, Germany, Fed. Rep. Bonn 1275.

fauna, Ardon R., USSR Caucasus 710.

feeding 9660.

larvae, behaviour stability, environmental effects 2774.

Trichoptera,(continued)

larvae filter feeders, ecology, review 1276.
 life cycles/distribution/production, Savannah R., USA 1897.
 new species, Europe 6703.
 nontarget organisms, pollution effects carbaryl, streams,
 USA Maine 1281.
 phenology 6940.
 phylogeny/taxonomy 9109.
 pollution 4802.
 predation 5725.
 silk 182.
 taxonomy 6702.
 zoogeography 6526.
Trichopteryx,
 taxonomy 5110.
Trichosia,
 new species, USSR 6620.
 parasitism 4673.
Trichosirocalus horridus,
 geographical distribution/host plants, Palaearctic Region
 9725.
 weed control *Carduus nutans*, USA Kansas 1934.
Trichosteresis glabra,
 taxonomy 2408.
Trichostetha fascicularis,
 osmoregulation, dehydration 6829.
Trichosurolaelaps,
 review, Australia 757.
Trichozetes,
 new genus, Cuba 1424.
Trichthonius,
 taxonomy 1422.
Tricorythidae,
 ecology 2119.
Tricorythodes atratus,
 production/drift, streams 2119.
Tridactylophagus,
 new species, Sri Lanka 2443.
Trifurcula,
 larvae/taxonomy 7381.
Trigona,
 foraging behaviour 4623.
Trigona fulviventris,
 foraging behaviour, alarm behaviour, mandibular glands
 secretions 1071.
Trigonaliidae,
 new records, Germany, Fed. Rep. Rheinland 4119.
 parasitism 8615.
Trigonaspis,
 taxonomy 4264.
Trigoniophthalmus alternatus,
 taxonomy/reproduction 5968.
Trigoniulus lumbricinus,
 digestive systems anatomy 6785.
Trigonopterygidae,
 types 4295.
Trigonoscelis gigas,
 activity, circadian rhythms 3488.
Trigonotylus doddii,
 geographical distribution, Australia 5797.
Trimenia macmasteri,
 new subspecies, South Africa 122.
Trimerotropis,
 phylogeny 4975.
 revision 4296.
Trimerotropis occidentalis,
 bionomics/population dynamics/reproduction 5582.

Trinervitermes bettonianus,
 trail following behaviour 8601.

Trinidad,

new records *Caprithrips insularis* 152.
 new records *Nadleria alpha* 5966.
 new species Membracidae 823.
 new species Menoponidae 8285.
 pest status Aphididae 3028.

Trioxys indicus,

development, environmental factors 5545.
 host searching behaviour 6983.
 hyperparasitism 6223.
 parasitism *Aphis craccivora* 4666.
 sex ratios 9699.

Triozia,

new species, USSR 7347.

Triozia erytreae,

biological control, Reunion I. 3031.

Triozamia lamborni,

life cycles/pest status, *Antiaris africana* 6205.

Triplax macra,

first record, Canada Quebec 1402.

Triplogyiniidae,

new species, India 3279.

Triplogyinium,

new species, India 3279.

Tripteroides,

new subspecies, Japan 1476.

Trirhabda,

feeding/pest status, *Solidago* host plants 9477.
 predation 2789.

Trirogma,

new species, Sri Lanka 3373.

Trisetacus ehmanni,

feeding/pest status, *Pinus radiata* 9590.

Trisetacus juniperinus,

pest status/chemical control, *Cupressus sempervirens*, Italy
 546.

Trissocladius brevipalpis,

taxonomy/immature stages 6608.

Trissolcus euschisti,

parasitism Pentatomidae 1906.

Trissolcus grandis,

oviposition behaviour/hosts density effects on sex ratios 1859.

Trissolcus simoni,

frontal pits, ultrastructure 9152.

Trithyreus cambridgei,

taxonomy 30.

Trixacarus caviae,

parasitism guinea-pigs 4678.

parasitism guinea-pigs, first record, USA 4677.

Trixagus,

new species, Panama 8169.

Trjapitzinellus,

new species, USSR 101.

Trochoideus,

taxonomy 6576.

Trochosa,

new species/revision, Australia 3285.

taxonomy 1435.

Troctopsocidae,

new species/first record, Italy 6700.

Troglochaes,

new species, Ecuador 8147.

Troglojapyx,

new genus, Greece 2350.

- Troglophilus*, enzyme polymorphism, evolutionary genetics 9705.
- Troglophilus cavicola*, first record, Italy Bergamasco 709.
- Trogoderma*, chemoreceptors, ultrastructure 930. defence, role hastisetae 6958. sex pheromone 4453.
- Trogoderma angustum*, larvae, hypersensitivity, man 2031.
- Trogoderma glabrum*, attractants, *Triticum* volatiles 7511. nutrition effects on development 5426.
- Trogoderma granarium*, calling behaviour 8554. chemical control 8764. phytoosterols metabolism 2586.
- Troides*, taxonomy, book 742.
- Trombiculidae**, chemical control 529, 9559. ecology 1994. fauna, Japan Nansei Is. 9724. habitats, mountains, USSR Transcaucasus 1184. new records, USA 714. new records, USA Florida 713. new species, Australia 4164. new species, Gabon 4163. new species, Malaysia 6554. new species, Mexico 16. new species, Oriental Region 2286. new species, Papua New Guinea/West Irian 8973. new species, Romania 18. new species, Thailand 17. new species, West Irian 19. new species, Zaire 5060. parasitism 8728. taxonomy 4162, 5814.
- Trombidiidae**, new species, USA 5059.
- Tropiconabis capsiformis*, predation, age effects 6221.
- Tropideres*, new species, Japan 40.
- Tropideres japonicus*, new subspecies, Japan 2301.
- Tropidia sinensis*, taxonomy 9054.
- Tropidosteptes adustus*, new records, USA 6632.
- Tropiduchidae**, pests 4733.
- Trupanea*, taxonomy 4242.
- Trybliographa rapae*, parasitism *Delia brassicae* pupae 2945.
- Trypanea*, taxonomy 4242.
- Trypetisoma*, new species, Mexico 8191.
- Trypodendron lineatum*, chemical control 1267. repellents, oleic acid/*Pinus* oils 263. sex pheromone, biological activity 5324. sex pheromone response 9239.
- Trypodendron retusum*, population studies, sampling 7412.
- Tryporyza incertulas*, cultural control 3050. occurrence/mortality, crop residues 3988. phenology, environmental effects, India West Bengal 403.
- Tryporyza nivella*, parasitism 6227. toxicity insecticides 6093.
- Trypoxylon*, new species, Philippines 1514.
- Tsugaspidiotus tsugae*, population dynamics, host plants effects on 5590. population dynamics, mortality factors 4732.
- Tuamota Is.**, biology/ecology/pest status *Culicoides belkini* 2013. breeding sites/control *Culicoides belkini* 4781.
- Tuberodesmus**, new genus, Colombia/Ecuador 8298.
- Tuberoppia**, new species, USSR 9.
- Tullbergia sylvatica*, ecology 9511.
- Tullgrenius*, new species, India 7260.
- Tunisia**, *Andrena* fauna 3186. check lists/new species Oribatei 2282. check lists Tineidae 3234. new records Coniopterygidae 7210. new species Chrysopidae 3403. new species Lauxaniidae/Carnidae 6600. new species Scarabaeidae 3324. new species Scelionidae 4274. new species Staphylinidae 2336.
- Tunisia Hammamet**, check lists Coleoptera 2221.
- Tunisimya**, new genus, Tunisia 8175.
- Tunisimyidae**, new family, Tunisia 8175.
- Tupaopopus**, new genus, Thailand 1423.
- Tuponia carayoni*, first record, British Isles Isle of Wight 4985.
- Turanodina**, taxonomy 6615.
- Turkey**, check lists Auchenorrhyncha 5772. check lists/new records Delphacidae 2226. check lists/new species Megachilidae 4270. check lists Odonata 1395. first record *Discoptila brevis* 7213. geographical distribution *Brahmaea* 7217. geographical distribution Saturniidae 8042. new records *Apion* 6573. new records Chrysomelidae 9004. new species Agelenidae 5064. new species Anthribidae 8994. new species Cantharidae 764. new species Carabidae 3304. new species Coccinellidae 9007. new species Delphacidae 5142. new species Diplopoda 4307. new species Gracillariidae 3389. new species Ichneumonidae 9081. new species Miridae 5913. new species Palaearctic Region 3332. new species Pholcidae 4165.

Turkey,(continued)

new species Psyllidae 6648.
 new species Sarcophagidae 803.
 new species Staphylinidae 6594, 9029.
 new species Syrphidae 8199.
 new species Tachinidae 806.
 new species Zodariidae 4176.
 new species Zygaenidae 8283.
 new subspecies *Agrodiaetus myrrhus* 8266.
 new subspecies *Anthaxia tenella* 8995.
 new subspecies *Hadena silenes* 1520.
 new subspecies Megachilidae 4271.
 new subspecies *Meleageria daphnis* 8267.
 new subspecies *Parnassius nordmanni* 7384.
 new subspecies *Platysma minus* 2309.

Turkmenisca,

new species, USSR 6619.

Tutoridens,

new genus, fossils, USSR 2285.

Tybaertiella,

new genus, Ivory Coast 5067.

Tychius,

taxonomy 5854.

Tychobythinus,

new species, Italy 2329.

Tydeidae,

development, adaptations 3613.

new species, Egypt, Arab Rep. 7255.

new species, Poland 6555.

new species/revision 5061.

population dynamics 2949.

taxonomy 1428, 5815.

Tydeus californicus,

population dynamics 7777.

Tydididae,

populations 5621.

Tylopetis,

taxonomy 83.

Tympanota,

taxonomy 1518.

Typhloctonus,

new species, Israel 4158.

Typhlocyba,

infestations, fruits, Pakistan 9470.

Typhlodromus,

new species, Australia 10.

new species, India 4159.

new species/revision, USSR Azerbaijan 12.

taxonomy 1426, 7252.

taxonomy/new species, Australia 11.

Typhlodromus occidentalis,

locomotor activity, environmental effects 1611.

Typhlodromus puri,

integrated control *Panonychus ulmi*, orchards, New Zealand 2090.

Typhloponeumys,

new species, Ethiopian Region 5116.

Typhloroncus,

new genus, US Virgin Is. 29.

Tyria jacobaeae,

Apanteles popularis parasitism, population regulation 2832.

first record, Canada Newfoundland 8940.

population dynamics, defoliation *Senecio jacobaeae* effects on 6240.

population dynamics, role *Senecio jacobaeae* 3793.

population stability, host plants effects on 7031.

Tyrophagidae,

taxonomy 8974.

Tyrophagus,

taxonomy 8974.

toxicity acaricides 6858.

Tyrophagus longior,

excretion rates, measurement 4315.

Tyrophagus putrescentiae,

alarm pheromone 7519.

calcium phosphate effects on fecundity/longevity/development 1802.

parasitism domestic animals/man, Japan 3001.

parasitism horses, hypersensitivity 7860.

pest status/chemical control, *Citrus*, India Himachal Pradesh 3067.

toxicity mycotoxins 1011.

Tythus pygmaeus,

first record, Nearctic Region 84.

Uganda,

new species Avenzoariidae 7.

new species Cicadellidae 5922.

new subspecies *Precis archesia* 3394.

Uganda Toro Game Reserve,

check lists Diptera 4136.

Uichancoella,

new genus, Philippines 87.

Ukamenia,

new genus 8278.

Uloboridae,

appendages/glands 6067.

taxonomy 1436.

Ulomyia fuliginosa,

glands, thorax epidermis 8446.

Ulopa reticulata,

parasitism 5219.

Uloporus,

taxonomy 4216.

Ultrastructure,

antennae, *Chironomus* 9153.

antennae, *Colias* 1636.

antennae sensilla, *Haemaphysalis irritans* 1626.

antennal sensilla, *Toxorhynchites brevipalpis* 1633.

chemoreceptors, Insecta, review 937.

chemoreceptors, Lycosidae 1641.

chorion, stored products Lepidoptera, taxonomy 189.

chromosomes, eggs maturation, parthenogenesis, *Bombyx mori* 1594.

colon, *Periplaneta americana* 1666.

compound eyes, *Rhodnius* 1631.

eye, development, *Apis mellifera* 2544.

flight muscle 213.

frontal pits, *Trissolcus simoni* 9152.

heart, *Acheta domestica* 946.

hypopharyngeal glands, *Bombus atratus* 986.

Malpighian tubules, *Ephydra riparia* 5294.

Malpighian tubules, *Triatoma infestans* larvae 2576.

mitochondria, flight muscles, Insecta 4341.

nerves, *Megoura viciae* 161.

neurosecretion, pars intercerebralis-corpora cardiaca, *Aeshna cyanea* larvae 2522.

nuclei, oocytes, Tenebrionidae 3450, 3451.

nucleoli, epidermis, development, *Calpodes* 1843.

nucleus inclusions, midgut cells, *Carausius morosus* 1595.

oocytes/corpus luteum degeneration/reabsorption,

Ultrastructure.(continued)

- Poecilocerus pictus* 1839.
oogenesis *Lepismachilis targionii* 348.
pheromone gland, *Plodia interpunctella* 274.
pole cells, *Calliphora erythrocephala* embryos 1597.
prothoracic gland, aldehydes fixation, *Rhodnius prolixus* 1596.
prothoracic gland cells, *Bombyx mori* 1732.
pyloric gland, *Glomeris marginata* / *Polydesmus angustus* 1720.
rectum, sex pheromone glands, *Dacus oleae* 231.
reproductive systems, *Bathyplectes* 4526.
reproductive systems, *Dacus dorsalis* 2697.
rhabdom artefacts, sectioning methodology/morphology, *Apis mellifera* 1593.
salivary gland, *Glossina pallidipes* 1750.
salivary gland, *Lycoriella pimpliformis* 1731.
sensilla, antennae, *Melipona quadrifasciata* 936.
sensilla, maxillary palps, Coleoptera 9175.
sex pheromone glands, *Phragmatobia fuliginosa* 1724.
skeletal muscle, Insecta 2516.
spermatogenesis, *Leptocoris trivittatus* 321.
spermatogenesis, *Melipona quadrifasciata* 4574.
spermatozoa, *Acrida lata* 2751.
spermatozoa, *Amblyomma hebraeum* 2748.
spermatozoa, *Myogryllus* 1786.
spermatozoa, *Neosteingelia texana* 5252.
spermatozoa, *Tityus bahiensis* 1598.
tegula, *Locusta migratoria* 2548.
tegumental gland, *Polistes gallicus* 2625.
venom gland, *Urodacus novaehollandiae* 1728.
Verson's gland, *Galleria mellonella* 1733.
yolk, *Porcellio scaber* 349.
Ulutodes quadrimaculata,
geographical distribution, Canada Ontario 8074.
Umbellozetes,
fossils 2285.
Umgababa,
taxonomy 7332.
Unaspis yanonensis,
population dynamics, mathematical models 8675.
Undopterix,
new genus, fossils, Lower Cretaceous, USSR 3390.
Unguizetes clavatus,
first record, USSR 9.
Unionicola,
immature stages/keys 5994.
new species, Australia 2287.
Unionicola crassipalpis,
taxonomy 8966.
Unionicola formosa,
host selection behaviour, symbiosis *Anodonta imbecilis* 7728.
Unionicolidae,
behaviour 7728.
new species, Australia 2287.
Unionicolopsis,
new genus, Australia 2287.
Upper Volta,
biology/population dynamics Acrididae 483.
chemical control Culicidae 9560.
Uraecha bimaculata,
new subspecies, Japan 2313.
Uranotaenia,
new subspecies, Japan 1476.
Uranotaenia sapphirina,
first record, USA Colorado 5031.
Uroctea durandi,
silk gland 2633.
Urodacus novaehollandiae,
venom gland, ultrastructure 1728.
Urodacus yaschenkoi,
burrowing behaviour/activity patterns 5511.
Urodonidae,
taxonomy 3296.
Urohalictus,
new genus, Papua New Guinea 3377.
Uroleucon,
new species, Iran 2384.
taxonomy 5917.
Uromenus,
new species, Spain 5959.
Urophonius,
taxonomy 3294.
Urophora,
damage *Centaurea* 6242.
galls, distribution, *Centaurea* flowers 2925.
interspecific interactions 5606.
weed control *Centaurea*, Canada 6243.
Uroplata,
population dynamics/population density, *Bunchosia pilosa*,
Costa Rica 498.
Uropodidae,
new species/new records, Czechoslovakia 5062.
taxonomy 5063.
Uroxys,
new species, Brazil 7295.
Ursicopes americanus,
taxonomy/parasitism *Ursus americanus* 3269.
Uruguay,
check lists/new records Lepidoptera 1415.
first record Solifugae 3258.
US Virgin Is.,
new species Chernetidae 28.
new species Ideoroncidae 29.
USA,
check lists/new species Halacaridae 7246.
first record *Aedes togoi* 7222.
first record *Aleuropteryx simillima* 1407.
first record *Hyadaphis tataricae* 9751.
first record *Tabanus pungens* 7223.
first record *Trixacarus caviae* parasitism guinea-pigs 4677.
geographical distribution, *Coccinella septempunctata* 8068.
geographical distribution *Cicindela ancicisconensis* 3721.
geographical distribution/parasitism *Phyllonorycter* 9517.
geographical distribution Pentatomoidea 3253.
geographical variations, reproduction, *Wyeomyia smithii* 9357.
keys *Eumenes* 2249.
new records/habitats Scarabaeidae 8062.
new records introduced species Chrysomelidae 8067.
new records Lampyridae/Scarabaeidae/Silphidae 8933.
new records Miridae 6632.
new records *Onthophagus taurus* 9748.
new records Tortricidae 8941.
new species, Listrophoridae 7250.
new species Acaridae 8962.
new species Aphididae 2385, 8226, 8227.
new species Atypidae 5818.
new species/biology Ceratopogonidae 1473.
new species Braconidae 96.
new species Buprestidae 4186.
new species Cantharidae 8117.
new species Capniidae 9106.

USA,(continued)

new species Carabidae 766, 767.
 new species Cerambycidae 8126.
 new species Ceraphronidae 2396.
 new species Chironomidae 66, 1475, 4228, 5879, 6607.
 new species Chloroperlidae 5213.
 new species Chrysididae 5162.
 new species Cicadellidae 1500, 6642, 7343.
 new species Coccinellidae 7277.
 new species/collections Anthicidae 39.
 new species Cossidae 5185.
 new species Curculionidae 5093, 8140.
 new species Demodicidae 7242.
 new species Dolichopodidae 8186.
 new species Encyrtidae 7357.
 new species Ephydriidae 801, 6612.
 new species Eukoeneiidae, fossils 3291.
 new species Formicidae 3376.
 new species Ganphosidae 5820.
 new species Garypidae/Pseudogarypidae 8987.
 new species Geometridae 5948.
 new species Glycyphagidae 6548, 8097.
 new species Gomphidae 1528.
 new species Gryllidae 5212.
 new species Halacaridae 2276.
 new species Heliidae 119.
 new species Hydroptilidae 3412, 4303.
 new species Hystrichopsyllidae 7405.
 new species Ichneumonidae 7360.
 new species Keroplatidae 7311.
 new species Lonchaeidae 8192.
 new species Mecicobothriidae 761.
 new species Nemasomatidae 1537, 1538.
 new species Nymphalidae 5199.
 new species Oligoneuriidae 5133.
 new species Olpiidae 4180.
 new species Perlidae 7403.
 new species Phalangiidae 8986.
 new species Platygasteridae 7226.
 new species Psephenidae 5862.
 new species Pyralidae 8276.
 new species Rosensteiniidae 8969.
 new species Scarabaeidae 8151.
 new species Sphaeroceridae 8196.
 new species Staphylinidae 59, 6595.
 new species Syringophilidae 759.
 new species Tabanidae 8200.
 new species Tenebrionidae 4215.
 new species Tenthredinidae 108.
 new species Theridiidae 3289.
 new species Tortricidae 866, 8282.
 new species Trichodectidae 138, 7393.
 new species *Trichomyia* 5890.
 new species Trombiculidae 5814.
 new species Trombididae 5059.
 new species Vaejovidae 8993.
 new subspecies *Euphydryas editha* 7382.
 new subspecies *Fixsenia polingi* 5193.
 new subspecies *Occidryas anicia* 4283.
 new subspecies *Plebejus shasta* 123.
 pest control, review 7878, 8758.
 pest control/pest status, Blattodea 8724.
 range extension/geographical distribution *Esperanza texana* 4144.
 revision Cyphophthalmi 5827.
 synonymy Acrididae 144.

USA Alabama,

check lists/new records Strepsiptera 5788.

first record *Aedes trivittatus* 3251.

USA Alaska,

new records Ceratophyllidae 721.

zoogeography Psyllidae 5782.

USA Arizona,

first record *Eutrombicula batatas* 714.

Gossypium crop fields, Tachinidae populations 511.

new records *Incisitermes banksi* 1078.

USA Baltimore,

first record *Culiseta annulata* 3250.

USA California,

dairies, pest status Diptera 2041.

extinction *Euphydryas editha* populations 7382.

geographical distribution *Simulium tescorum* 4641.

habitats, *Ischnura gemina* 7799.

Insecta, book 733.

introduced species, stored products 8755.

migration, *Vanessa cardui* 4707.

new records *Eutrombicula batatas* 714.

new records Ixodidae 9743.

new records *Metaphycus bartletti* 5035.

pest status *Entomobrya kanaba* 4813.

USA Colorado,

Andrena fauna 3186.

first record, *Uranotaenia sapphirina* 5031.

life cycles/production *Skwala parallela*, streams, montane environments 1899.

USA Connecticut,

check lists *Ixodes dammini* 9745.

ecology/life cycles Ephemeroptera 5722.

hosts/geographical distribution Ixodidae 3773.

USA Delaware,

check lists Membracidae 8938.

first record *Microctonus nitidulus* 2250.

geographical distribution Plecoptera 1409.

USA Florida,

Auchenorrhyncha surveys, *Cocos nucifera* 3811.

breeding sites preferences *Stomoxys calcitrans* 1102.

breeding sites *Stomoxys calcitrans* 3020.

first record *Tabanus kisliuki* 7223.

new records/behaviour *Apocephalus tenuipes* 401.

new records Elateridae 8932.

new records Staphylinidae 9747.

new records Trombiculidae 713.

pest status, *Aleurocanthus woglumi*, review 4808.

pest status, *Dendroctonus frontalis* 8770.

Tetrastichus haitiensis biological control Curculionidae, *Citrus* 8743.

USA Georgia,

check lists Cerambycidae 4143.

first record *Callophrys hesseli* 5784.

first record *Esperanza texana* 4144.

new records Ephydriidae 715.

USA Illinois,

check lists Chilopoda 5790, 9756.

check lists Fulgoroidea 3254.

check lists/new records *Arrenurus* 7218.

first record *Deltochilum gibbosum* 8934.

first record *Epipyrops barberiana* 720.

first record *Hesperapis carinata* 7227.

first record *Mecidea major* 8937.

keys/geographical distribution Lepidoptera 5786.

population studies, *Catocala palaeogama* 505.

USA Indiana,

check lists Scolytidae 9749.

new records Acari 7219.

USA Kansas,geographical distribution/parasites *Bruchophagus roddi* 3255.**USA Kentucky,**

check lists/new records Tabanidae 8935.

new records Lepidoptera 2252.

new records Odonata 8942.

USA Lake Washington,

sediments. Chironomidae, indicator organisms 4854.

USA Louisiana,

new records Blattodea 9746.

USA Mexico,

Bicyrtes, fauna/biology 9752.

USA Michigan,

check lists, Culicidae 5032.

check lists Cleridae 4142.

check lists Lycosidae 8930.

geographical distribution *Bombus /Psithyrus* 5486.

new records Siphonaptera 5787.

USA Mississippi,first record *Esperanza texana* 4144.

new records Phyllophaga 1403.

new records *Sialis* 8073.**USA Missouri,**first record *Brochymena carolinensis* 7225.first record *Limoniuss flavomarginatus* 9750.**USA Montana,**

check lists Lepidoptera 719.

USA New Hampshire,first record *Cicindela marginipennis* 3249.

new records Culicidae 8936.

USA New Jersey,first record/habitats *Sialis joppa* 9754.

new records Lepidoptera 718.

USA New Mexico,check lists *Cicindela* 4141.

community composition Araneae 4717.

first record *Halticotoma valida* 4146.

new records Vaejovidae 8993.

USA New York,first record *Amblyomma maculatum* 9744.first record *Itame abruptata* 5785.

new records Carabidae 8069.

new records Coccinellidae 8068.

new records Drosophilidae 8187.

USA North Carolina,first record *Dolania americana* 5034.pest control/pest status, *Spodoptera frugiperda* 8756.range extension, *Hylemya aestiva* 4699.**USA North Dakota,**first record *Altica nancyae* 8066.

rivers, ecology Corixidae 3118.

USA Ohio,

check lists/new records Trichoptera 5789.

first record *Loricera pilicornis* 6523.first record *Zygethobius pontis* 509.pest status/chemical control *Ostrinia nubilalis*, *Solanum* crops 544.phenology/ecology *Corynoneura /Thienemanniella* 1475.**USA Oklahoma,**abundance/distribution, *Musca autumnalis* 1168.

fossils Ephemeroptera/Palaedictyoptera, Permian 3295.

USA Oregon,Acari parasitism *Aplodontia rufa* 3769.Acari parasitism *Scapanus /Neurotrichus gibbsi* 3767.

new records Acari 4139.

new records *Cambala washingtonensis* 8297.

parasitism Rodentia, Acari 8619.

USA Pennsylvania,

new records Coccinellidae 8068.

USA Puerto Rico,

new species Tabanidae 2375.

USA Rhode Island,

check lists Halacaridae 2276.

USA South Carolina,first record *Esperanza texana* 4144.

new records Acanthosomatidae 4145.

USA South Dakota,

check lists/new records, Siphonaptera 9755.

new species Endeostigmata 7243.

USA Tennessee,

check lists/ecology Odonata 5037.

check lists/new records Coccoidea 8939.

new records Drosophilidae 8187.

USA Texas,

Bicyrtes fauna/biology 9752.

biological control Lepidoptera, *Polistes* 1251.geographical distribution *Lobometopon ovale* 4140.

Lower Rio Grande Valley, species diversity Insecta 712.

new records Vaejovidae 8993.

USA West Virginia,

check lists Cicadellidae 6525.

check lists/new records Limnephilidae 6526.

first record, *Orthopodomyia alba* 5030.

new records, Culicidae 5033.

new records/check lists Plecoptera 1410.

Uscana muckerji*,**parasitism *Callosobruchus analis* 2819.Ushijimaella*,**

new species, Korea Rep. 4189.

***Usofila*,**

new species, New Caledonia 3288.

USSR,check lists/new records *Pseudophotopsis* 5938.

check lists/new species Muscidae 6614.

check lists Plecoptera 5777.

first record *Elysoceraphron hungaricus* 6660.first record *Kessleria caflischii* 8054.first record *Metaphycus ater* 6511.first record *Paraswammerdamia lapponica* 6516.forests, pest outbreaks/biology *Leucodonta bicoloria* 1894.geographical distribution/new subspecies *Hyles* 134.

new records Theridiidae 8905.

new species Acari 5807.

new species Acrididae 145.

new species Acrolepiidae 1517.

new species Adelidae 2422.

new species Alleculidae 2299.

new species Baetidae 5900, 5901.

new species *Bembidion petrosum* 7268.

new species Braconidae 6659.

new species Buprestidae 5838.

new species Cantharidae 1441.

new species Cecidomyiidae 9032.

new species Cerambycidae 7273.

new species Ceratophyllidae 5967.

USSR,(continued)

new species Chilopoda 1535.
 new species Chironomidae 72, 5880.
 new species Chloropidae 8182.
 new species Cicadellidae 90, 1501, 7337.
 new species Cosmochthoniidae 1422.
 new species Curculionidae 5852, 8133.
 new species Cynipidae 9079.
 new species Ditomyiidae 5883.
 new species Dolichocytidae 5802.
 new species Empididae 5886, 5887.
 new species Empididae, fossils, Cretaceous 1479.
 new species Empidoidea, fossils, Cretaceous 1469.
 new species Encyrtidae 101, 1509, 5927, 8248, 9080.
 new species Ephemeroptera 4243, 5898.
 new species Eriophyidae 2275.
 new species Ethmiidae 7372.
 new species Eurytomidae 8249.
 new species Gelechiidae 2425.
 new species Halipidae 52.
 new species Helodidae 5861.
 new species Heptageniidae 807, 2379, 5906, 6629, 7326.
 new species Histeridae 1453.
 new species Isotomidae 2346.
 new species Lathridiidae 6583.
 new species Lepismatidae 153.
 new species Linyphiidae 2291, 5821.
 new species Lonchaeidae 9047.
 new species Melyridae 5102.
 new species Menoponidae 1525.
 new species Micropterigidae, fossils, Lower Cretaceous 3390.
 new species Miridae 812.
 new species Mordellidae 1456.
 new species/new records Braconidae 95.
 new species/new records Oribatei 9.
 new species/new records Sphaeroceridae 4240.
 new species/new records Tettigoniidae 140.
 new species Noctuidae 2433.
 new species Parasitidae 2283.
 new species Phylloceridae 7291.
 new species Platydesmidae 158.
 new species Platyzetidae 2365, 5889.
 new species Psychodidae 2367.
 new species Psyllidae 7347.
 new species Raphidiidae 3405.
 new species/revision Tenebrionidae 4217.
 new species Salticidae 4169.
 new species Sarcophagidae 6619.
 new species Scenopinidae 5893.
 new species Sciaridae 6620, 9032.
 new species Sphecidae 105, 2412.
 new species Staphylinidae 58, 2337, 8158.
 new species Stratiomyidae 7318.
 new species Tegoribatidae, fossils 2285.
 new species Tetranychidae 6553.
 new species Trichogrammatidae 5942.
 new subspecies Cerambycidae 8122.
 new subspecies *Silpha obscura* 2334.
 new taxa Palaeodictyoptera, fossils, Carboniferous 3407.
 revision *Scarabaeus* 7294.
 revision *Sphaerophoria* 7319.
USSR Adzhar,
 new records/ecological distribution Chironomidae, rivers 7925.
USSR Altai,
 habitats, Noctuidae 1979.

USSR Azerbaijan,

Caucasus Mts., check lists Chrysomelidae 8912.
 revision *Typhlodromus* 12.

USSR Byelorussia,

biology/ecology *Formica cinerea* 2788.

USSR Caucasus,

Ardon R., Trichoptera fauna 710.

Collembola communities 6267.

USSR Central Asia,

new records Staphylinidae 58.

USSR Chukotka,

check lists/zoogeography Psyllidae 5773.

USSR Donetsk,

breeding sites Ceratopogonidae 1975.

USSR Dzhungarian Alatau,

ecology/fauna Acrididae 3237.

USSR East,

check lists Tabanidae 8915.

USSR Estonia,

Saaremaa I., zoogeography, soil Insecta 8906.

USSR Feodosia,

abundance/pest status *Phlebotomus papatasi* 2037.

USSR Kazakhstan,

check lists *Gamasodes* 2283.

USSR Kopet Mts.,

taxonomy/zoogeography Ceratophyllidae 8925.

USSR Kursk,

Oribatei fauna 5806.

USSR Latvia,

new species Noctuidae 5951.

USSR Lenkoran,

check lists Braconidae 4122.

USSR Lithuania,

new records Tortricidae 3235.

USSR Povolzhie,

phenology/breeding sites Culicidae 3009.

USSR Siberia,

geographical distribution, Odonata 5776.

USSR Tadzhikistan,

geographical distribution *Omophlina* 2299.

USSR Taimyr,

check lists Ephemeroptera 4243.

USSR Tajikistan,

new records Sphecidae 8916.

USSR Talysh Mts.,

check lists Braconidae 4122.

USSR Transcaucasia,

new records Sarcophagidae 6619.

USSR Turkmenia,

check lists *Pachyscelis* 6505.

check lists *Microterys* 5927.

check lists/ecology Araneae 20.

Insecta fauna, vegetation 1968.

USSR Ukraine,

Carpinian Mts., geographical distribution Staphylinidae 4991.

phenology Odonata 2808.

USSR Uzbekistan,

distribution/ecology *Latrodectus pavlovskii* 6273.

Utanaeris pulchra,

taxonomy 4297.

Utetheisa ornatix,

sex pheromone 3704.

Utetheisa pulchella,

toxicity *Dalbergia* plant extracts 1779.

- Uvarus**,
new species, Ethiopia 5096.
new species, Gabon 2298.
new species, Seychelles 1451.
- Vaejovidae**,
ecology 3872.
taxonomy/zoogeography 8993.
- Valditermes**,
new species, fossils, Cretaceous, British Isles 5182.
- Valdiviodes**,
new genus, Chile 9024.
- Vaneckeia**,
new species, Japan 126.
- Vanessa cardui**,
hormones 8428.
migration, USA California 4707.
- Vanessa itea**,
feeding behaviour, *Eucalyptus* sap 6964.
- Variation**,
behaviour, environmental effects/genetic factors, Insecta 634.
geographical variations, development, *Aedes sierrensis* 1175.
phenotypes, larvae dispersal, *Pemphigus populitransversus* 2188.
- Varroa jacobsoni**,
behaviour, environmental stress 6180.
- Varroidae**,
behaviour 6180.
- Vasates**,
new species, Egypt, Arab Rep. 6546.
new species, USSR 2275.
- Vatiga illudens**,
population levels, predation effects on 7002.
- Vautouxia**,
new genus, Ivory Coast 5074.
- Vectors**,
Acari, babesiosis/anaplasmosis, Zimbabwe 3022.
Acyrtosiphon pisum transmission pea streak virus/red clover vein mosaic virus 1967.
Aedes, arbovirus, Malaysia 515.
Aedes, dengue virus, Malaysia 525.
Aedes transmission yellow fever virus, Gambia 2056.
Aedes transmission yellow fever virus, Senegal 2012.
Aedes vexans transmission *Dirofilaria immitis* 3003.
Anopheles pseudopunctipennis transmission malaria 2973.
Anopheles transmission malaria, Papua New Guinea 2976.
Aphididae transmission barley yellow dwarf virus 1954, 2855.
Aphis gossypii transmission plant viruses *Cucumis melo* 3810.
Chandlerella chitwoodae development/transmission, *Culicoides* 2072.
Cicadellidae transmission phony peach disease, USA Florida 3094.
control Aphididae, transmission plant viruses 3949.
Culex nigripalpus transmission malaria, USA Florida 3905.
Culex pipiens transmission western equine encephalitis virus 1207.
Culex quinquefasciatus transmission *Wuchereria bancrofti* 4786.
Culicidae, capacity *Wuchereria bancrofti* transmission, mathematical models 3926.
Culicidae, epidemiology arbovirus, USA New York 1192.
Culicidae, pest control, review 2983.
Culiseta melanura transmission eastern equine encephalitis virus 3910.
- Glossina*, epidemiology trypanosomiasis, Uganda 1213.
Graminella nigrifrons transmission maize chlorotic dwarf virus 2901.
Homoptera, transmission barley yellow striate mosaic virus 1970.
Homoptera transmission maize rayado fine virus 1951.
Hydrotaea irritans transmission summer mastitis, Netherlands 3212.
isolation arbovirus, *Ixodes uriae* 3935.
isolation Wad Medani virus/Soldado virus, Ixodoidea 3936.
Ixodidae transmission *Coxiella burnetii* 2999.
Ixodidae transmission tick-borne encephalitis virus 2035.
La Crosse virus, *Aedes triseriatus* 1191.
leishmaniasis, Psychodidae 722.
Ornithodoros coriaceus transmission *Chlamydia*, cattle 3010.
Ornithodoros transmission *Rickettsia* 2052.
Phlebotomus fever virus susceptibility *Lutzomyia longipalpis* 3929.
Plasmodium vivax infection, *Anopheles* 520.
Psychodidae, epidemiology leishmaniasis, Middle East 2050.
Psychodidae epidemiology leishmaniasis, French uiana 3000.
Rift Valley fever virus, Argasidae/Ceratopogonidae/Culicidae/Muscidae 3023.
St. Louis encephalitis virus, *Culex pipiens* 1217.
transmission (transovarial) Kunjin virus/San Angelo virus, *Aedes albopictus* 3911.
transmission arbovirus, *Culex*, South Australia 506.
transmission beet mild yellowing virus/beet yellows virus, *Aphis fabae* /*Myzus persicae* 1268.
transmission *Dipetalonema rugosicauda*, *Ixodes ricinus* 2036.
transmission Murray Valley encephalitis virus, *Culex annulirostris* 536.
transmission mycoplasma-like organisms, *Myndus crudus* 3090.
transmission potato spindle tuber viroid, Insecta 1234.
transmission viruses, Aphididae, review 577.
Trypanosoma cruzi, *Triatoma barberi* 516.
West Nile virus, *Culex tritaeniorhynchus* 1218.
western equine encephalitis virus + strains transmission, *Oeciacus vicarius* 1933.
- Velidae**,
behaviour 4657.
new records, Ireland 8902.
new species, Australia 3365.
new species, Haiti/taxonomy 4251.
- Venezillo evergladenis**,
albino genes 1294.
- Venezuela**,
breeding sites/population density/niches, Culicidae, Caracas 3901.
first record *Aeshna rufipes* 6689.
geographical distribution/vector-borne diseases, Psychodidae 722.
new species Gyrinidae 9011.
new species Lygaeidae 7331.
new species Scarabaeidae 1461.
- Venezuela Cordillera de Merida**,
mountains/check lists/ecology Pronophilini 8080.
- Venom**,
toxins 7566.
- Venturia canescens**,
attractants, secretions *Plodia interpunctella* 987.
parasitism *Galleria mellonella* 6984.
- Veribubo**,
new species, Mali/Saudi Arabia 8177.

- Vermacarus**,
new genus, Cuba 1424.
- Vermara**,
new genus, India 2390.
- Vermipsylla**,
new species, China, People's Rep. 5218, 7406.
- Vermipsyllidae**,
new records, Poland Tatra Mts. 2240.
new species, China, People's Rep. 5218, 7406.
- Veromessor pergandei**,
competition *Novomessor cockerelli* 9526.
mutualism *Datura discolor*, seeds dispersal 3796.
- Vesiculaphis**,
revision/new species, Japan 2387.
- Vespa**,
phylogeny, behaviour 7989.
venom 9278.
- Vespa crabro**,
nests construction 6379.
pheromones/sexual behaviour 2608.
- Vespa luctuosa**,
biology/morphology 578.
- Vespa orientalis**,
cuticle pigments, light/xanthines effects on 2503.
diets/photoperiod effects on longevity/brood rearing 1018.
venom, deoxyribonuclease 6834.
venom, phospholipase A₂ 6808.
- Vespa simillima**,
nesting behaviour 2105.
- Vespidae**,
behaviour 358, 2821, 4849, 4850, 5513, 5522, 6176, 7106,
7703, 7906, 9378, 9642, 9648.
behaviour/evolution 1270.
biological control Lepidoptera 1251.
biology 389, 3740.
biology/morphology 578.
colonies 8783.
colour preferences 1069.
communication 7677.
competition 3824.
development 6117.
dispersal behaviour 8782.
enzymes 6808, 6834.
glands 2625, 6838, 7537, 8442.
life cycles 3742.
longevity 1018.
morphology 9137, 9140.
morphometry 205.
nesting behaviour 2105.
nests 5713, 5714, 6379, 8570.
nests biology 1273.
new species, China, People's Rep. 9087.
new species, Norway 5944.
parasitism 7746, 8615.
pests 8747.
pheromones 2608.
phylogeny 7989.
pigments 2503.
population dynamics 4851.
population genetics 8876.
populations 6289, 8667.
predation 2915, 8580, 8679, 9400.
predation Tabanidae 8916.
reproductive behaviour 2103.
sex ratios 7177.
size 204.
taxonomy/zoogeography 110.
- venom 3597, 7839, 9278.
- Vespula**,
interspecific interactions, nesting behaviour 389.
parasitism, *Bareogonialis canadensis* 8615.
phylogeny, behaviour 7989.
taxonomy/zoogeography 110.
venom 9278.
venom, allergens 3597.
- Vespula flavoptlosa**,
biology, nests 389.
- Vespula germanica**,
pest control/pest status, USA 8747.
- Vespula maculata**,
predation *Eudiectria tibialis* 8580.
- Vespula maculifrons**,
behaviour, males 5513.
venom, allergens 7839.
- Vespula pensylvanica**,
colonies, polygyny 8783.
glands, queens thorax 7537.
- Vespula squamosa**,
colour preferences 1069.
- Vespula vulgaris**,
colonies development/population dynamics 4851.
- Vidada**,
new genus, Peru 3364.
- Viet Nam**,
check lists/new species Tenebrionidae 5118.
new species Cerambycidae 2312.
new species Endomychidae 6576.
new species Helodidae 2321.
new species Labiduridae 1467.
new species Lathridiidae 4203.
new species Lucanidae 787.
new species Staphylinidae 5872.
- Viettealna**,
new genus, Malagasy Rep. 820.
- Viettesia**,
new species, Comoro Is. 8258.
- Viettesa**,
new genus 863.
- Viruses**,
+ bacteria, mixed infection, pathology, Noctuidae 8452.
- Apis mellifera*, review 5367.
arbovirus, *Aedes* vectors, Malaysia 515.
arbovirus, epidemiology, Culicidae, USA New York 1192.
arbovirus, isolation, *Ixodes uriae* 3935.
arbovirus, susceptibility, *Toxorhynchites amboinensis* cell lines 3448.
arbovirus, transmission (transovarial), *Aedes* 7866.
arbovirus, vectors, Diptera 7848.
arbovirus replication, *Culex pipiens* cell lines 4490.
- Autographa californica* nuclear polyhedrosis virus, control *Heliothis virescens* 3103.
- Autographa californica* nuclear polyhedrosis virus, infection *Estigmene acrea* 5361.
- baculovirus + chlordinform, control *Heliothis* 3956.
baculovirus, biological control *Hyphantria cunea* 3955.
baculovirus, biological control *Oryctes rhinoceros* 3986.
baculovirus, control *Heliothis* 6349.
baculovirus, control *Heliothis zea* 3056.
baculovirus, infection, Lepidoptera 5364.
baculovirus, infection, *Mesoleius tenthredinis* 6085.
baculovirus, infectivity, Insecta 2646.

Viruses,(continued)

- baculovirus biological control *Phthorimaea operculella* 4827.
 baculovirus induction, nuclear polyhedrosis virus
 superinfection, *Heliothis zea* cells 9264.
Baratira brassicae nuclear polyhedrosis virus, replication
 3590.
 barley yellow dwarf virus, Aphididae vectors 2855.
 barley yellow dwarf virus, transmission, Aphididae 1954.
 barley yellow dwarf virus, transmission, *Macrosiphum
 avenae* 3790.
 barley yellow dwarf virus, transmission, Aphididae 6259.
 barley yellow striate mosaic virus, transmission, Homoptera
 1970.
 bean pod mottle virus, transmission, *Ceratomyza trifurcata*
 7096.
 beet curly top virus, transmission, *Circulifer tenellus* 6237.
 beet mild yellowing virus/beet yellows virus, transmission,
Aphis fabae / *Myzus persicae* 1268.
 biological control Insecta, review 3938.
 biological control pests 552.
 birds, epidemiology, Argasidae/Ixodidae 5653.
 bluetongue virus, replication, *Anthonomus grandis* infected
Culicoides nubeculosus 3922.
 bunyavirus, transmission, *Aedes triseriatus* 7857.
 California encephalitis virus, infection effects on carbon
 dioxide sensitivity, *Aedes* 2015.
 cattle/sheep, infection *Amblyomma variegatum* /
Rhipicephalus 4772.
Chrysodeixis eriosoma cytoplasmic polyhedrosis virus, cell
 culture, *Spodoptera frugiperda* 5369.
 citrus tristeza virus, transmission, *Aphis citricola* 6987.
 cockroach virus, susceptibility, *Periplaneta fuliginosa* 2656.
 Congo virus, infection, *Hyalomma rufipes* 7067.
 control pests Insecta, review 1254.
 cricket paralysis virus, monitoring, Gryllidae 3424.
 cucumber mosaic virus, transmission, *Aphis gossypii* 3791.
 cytoplasmic polyhedrosis virus, *Bombyx mori* 1747.
 cytoplasmic polyhedrosis virus, characterization, *Aedes
 canton* 8459.
 cytoplasmic polyhedrosis virus, *Peridroma saucia* 4486.
 dengue virus, *Aedes* *Culicidae*, dengue virus 525.
 dengue virus, transmission, *Aedes albopictus* 7859.
 dengue virus, vectors, *Aedes* 8697.
 dengue virus, vectors, *Culicidae* 8719.
Drosophila melanogaster 3582.
Drosophila melanogaster cell lines 989.
Drosophila virus C resistance, *Drosophila melanogaster*
 6086.
 eastern equine encephalitis virus, transmission (transovarial),
Culiseta melanura 8706.
 entomopox virus, pathogenicity, *Chironomus* 990.
Euxoa scandens cytoplasmic polyhedrosis virus infection,
Lymantria dispar cell lines 5356.
 flacherie virus, pathogenicity, *Bombyx mori* 1742.
 Getah virus infection, *Culex tritaeniorhynchus*, Japan 3899.
 granulosis virus, bioassays/infection, *Laspeyresia pomonella*
 8451.
 granulosis virus, biological control *Agrotis segetum* 7875.
 granulosis virus, effects on food consumption/growth,
Pericallia ricini larvae 2643.
 granulosis virus, histopathology, *Pericallia ricini* larvae 993.
 granulosis virus, pathogenicity *Homona magnanima* 6843.
 granulosis virus, susceptibility, *Phthorimaea operculella*
 6841.
 granulosis virus, transmission, *Pieris brassicae* 9274.
 granulosis virus/nuclear polyhedrosis virus synergism,
Pseudaletia unipuncta 1002.
 granulosis virus *Plodia interpunctella* 5357.
 groundnut rosette virus, transmission, *Aphis craccivora* 6250.
 hepatitis B virus, vectors, *Cimex hemipterus* 4785.
 Hymenoptera, review 4502.
 infection, effects on calcium/potassium levels, Insecta 2648.
 invertebrate viruses, identification, review 4483.
 invertebrate viruses, isolation/characterization,
Rhopalosiphum padi 9270.
 iridescent virus, *Armadillidium vulgare* / *Porcellio scaber*
 5365.
 iridescent virus, infection, *Aedes taeniorhynchus* 4499.
 isolation, *Aedeomyia squamipennis* 9275.
 isolation/characterization, *Costelytra zealandica* 286.
 Japanese encephalitis virus, *Culex* 4788.
 Japanese encephalitis virus, transmission (transovarial),
Culex tritaeniorhynchus 3932.
 Kunjin virus/San Angelo virus, transmission (transovarial),
Aedes albopictus 3911.
 La Crosse virus, vectors, *Aedes triseriatus* 8958.
 La Crosse virus effects on feeding, *Aedes triseriatus* 1191.
 maize dwarf mosaic virus, control/vectors, Aphididae 9473.
 maize rayado fine virus, transmission, Homoptera 1951.
 methionine, deprivation, vesicular stomatitis virus infection,
Aedes albopictus cell lines 9151.
 Murray Valley encephalitis virus, transmission (transovarial),
Aedes aegyptii 6331.
 Murray Valley encephalitis virus transmission, *Culex
 annulirostris* 536.
 natural enemies *Anticarsia gemmatilis* / *Plusia*, Brazil 2002.
 nuclear polyhedrosis virus, assays, Noctuidae 9130.
 nuclear polyhedrosis virus, *Autographa californica* cell
 culture 992.
 nuclear polyhedrosis virus, *Autographa californica* 3583.
 nuclear polyhedrosis virus, *Autographa californica* / *Galleria
 mellonella* 8461.
 nuclear polyhedrosis virus, biological control *Lymantria
 dispar*, Italy 3083.
 nuclear polyhedrosis virus, biological control *Operophtera
 bruceata* 4803.
 nuclear polyhedrosis virus, *Diparopsis watersi* 7554.
 nuclear polyhedrosis virus, DNA, transfection, cell lines,
 Noctuidae 4501.
 nuclear polyhedrosis virus, effects on moulting, *Pericallia
 ricini* 2647.
 nuclear polyhedrosis virus, *Galleria mellonella* 4485.
 nuclear polyhedrosis virus, heat inactivation, *Galleria
 mellonella* 991.
 nuclear polyhedrosis virus, histopathology, *Trichoplusia ni*
 4493.
 nuclear polyhedrosis virus, infection, *Bombyx mori* 3589.
 nuclear polyhedrosis virus, infection, resistance, *Epiphyas
 postvittana* 3587.
 nuclear polyhedrosis virus, isolates, antigenic relationship/
 monitoring, *Orgyia pseudotsugata* 1001.
 nuclear polyhedrosis virus, methoprene effects on
 pathogenicity, *Hyphantria cunea* 340.
 nuclear polyhedrosis virus, pathogenicity, *Amsacta albistriga*
 4829.
 nuclear polyhedrosis virus, pathology, *Autographa
 californica* 5372.
 nuclear polyhedrosis virus, pathology, *Lymantria dispar*
 8450.
 nuclear polyhedrosis virus, pathology, *Mythimna separata*
 9271.
 nuclear polyhedrosis virus development, hormones effects on,
Bombyx mori 1741.
 nuclear polyhedrosis virus effects on haemolymph amino

Viruses,(continued)

acids, *Spodoptera littoralis* 2580.
 nuclear polyhedrosis virus infection, *Lymantria dispar* /
Apanteles melanoscelus 1743.
 Oropouche virus, vectors, *Culicoides paraensis* 9578.
 pea streak virus/red clover vein mosaic virus, transmission,
Acyrtosiphon pisum 1967.
 Phlebotomus fever virus, susceptibility *Lutzomyia longipalpis*
 3929.
 picornavirus/reovirus, infection, *Ceratitis capitata* 8453.
 plant viruses, vectors, *Chaetosiphon jacobii* /*Hyperomyzus*
lactucae 9481.
 plant viruses, vectors, *Peregrinus maidis* 9493.
 population regulation *Wiseana* 3957.
 potato leaf roll virus, transmission, *Myzus persicae* 6260.
 potyvirus, vectors, *Myzus persicae* /*Rhopalosiphum padi*
 9469.
 Psychodidae vectors, Malaysia 3247.
 reovirus, isolation/characterization, cell lines, *Drosophila*
melanogaster 999.
 reovirus infection, cell culture, *Drosophila melanogaster*
 8462.
 rhabdovirus, pathogenicity, *Acheta domestica* 282.
 rice waika virus, transmission, *Nephotettix cincticeps* 7082.
 rice waika virus, transmission, *Nephotettix* 7090.
 Rift Valley fever virus, Argasidae/Ceratopogonidae/
 Culicidae/Muscidae 3023.
 Rift Valley fever virus, transmission, *Culex pipiens* 6318.
 Rocio virus, isolation, *Psorophora ferox* 5639.
 safety use biological control 573.
 San Angelo virus, transmission (transovarial), *Aedes*
albopictus 6321, 9268.
 sigma virus resistance, polymorphism, *Drosophila*
melanogaster 2190.
 Sindbis virus, resistance, *Drosophila melanogaster* 8460.
 Soldado virus infection, *Ornithodoros maritimus* 9262.
 soybean mosaic virus, vectors, Aphididae 6986.
 St. Louis encephalitis virus transmission, *Culex pipiens* 1217.
 tick-borne encephalitis virus, replication, temperature effects,
Dermacentor andersoni 1205.
 tick-borne encephalitis virus, replication, *Hyalomma*
plumbeum 1211.
 tick-borne encephalitis virus, transmission (transovarial),
Ixodes 1206.
 tick-borne encephalitis virus, transmission, Ixodidae 2035.
 tick-borne encephalitis virus, transmission, *Haemaphysalis*
concinna 7846.
 transmission, Aphididae, review 577.
 transmission (vertical), review 8774.
 transmission pumpkin mosaic virus, prevention, *Aphis*
gossypii 9604.
 turnip mosaic virus, transmission, Aphididae 1952.
 vectors, *Toxorhynchites amboinensis* 9586.
 viroids, transmission potato spindle tuber viroid, Insecta
 1234.
 virus-like particles, cell lines, *Aedes pseudoscutellaris* 998.
 Wad Medani virus/Soldado virus, isolation, Ixodoidea 3936.
 West Nile virus, susceptibility, *Culex tritaeniorhynchus* ,
 environmental effects 1201.
 West Nile virus transmission, *Culex tritaeniorhynchus* 1218.
 western equine encephalitis virus, vectors, *Culex tarsalis*
 9564.
 western equine encephalitis virus + strains transmission,
Oeciacus vicarius 1933.
 western equine encephalitis virus, transmission, *Culex pipiens*
 1207.
 wheat streak mosaic virus, vectors, *Eriophyes tulipae* 1943.
 yellow fever virus, isolation, *Aedes africanus* 8713.

yellow fever virus, vectors, *Aedes aegypti* 8703.

Vitamins,

artificial diets, *Pieris brassicae* 1557.
 ascorbic acid, sequestering, *Manduca sexta* larvae 7507.
 ascorbic acid/dehydroascorbic acid, effects on metabolism,
Cydia pomonella 5299.
 nutrition, *Dacus oleae* 9210.
 vitamin E, effects on fecundity, *Chilo partellus* 8415.
Vitellogenesis,
 ecdysterone/juvenile hormones, *Drosophila melanogaster*
 3676.
 farnesol effects on, relationship feeding, *Blaberus fuscus*
 1835.
 juvenile hormones role, *Locusta migratoria* 3673.
 precocene effects on, *Drosophila melanogaster* 341.
 regulation, *Drosophila* 1852.
 role corpora allata, *Locusta migratoria* 1828.
 yolk ultrastructure, *Porcellio scaber* 349.
Viviparity,
Marasmarcha lunaedactyla 1050.
Vulda,
 new species, Italy 2338.

Wacata ceylonica,

genitalia 8499.

Wagner, H. C. E.,

bibliography 2268.

Wagnerinus,

new species, Kuril Is. 8138.

Walckenaeria,

taxonomy/new records, Sweden 5823.

Walrencea,

new genus, Malagasy Rep. 5074.

Warramaba virgo,

DNA replication 4008.

meiosis, mechanisms, review 4049.

parthenogenesis, evolution 8488.

Warren, B.C.S.,

bibliography 3.

Wasmannia auropunctata,

coevolution *Costus woodsonii* , plant protection 5557.

Water,

permeability, temperature effects, egg shells, *Bombyx mori*
 2613.

soil moisture effects on activity, *Aphodius tasmaniae* larvae
 3418.

water budget, *Semiadalia undecimnotata* 2619.

water loss, anatomy, Tenebrionidae 9245.

Weather,

effects on phenology, *Tryporyza incertulas* , India West
 Bengal 403.

Webs,

aminobutyric acid/taurine, effects on prey, *Argiope* 1643.

Argyrodes attenuatus 7680.

food selection, Erigonidae/Linyphiidae/Theridiidae 423.

functional morphology, foraging behaviour, *Araneus*

trifolium /*Argiope trifasciata* 6216.

Leptomorphus walkeri 5244.

Mallos gregalis 4659.

predatory behaviour, *Nephila clavipes* 9523.

role humidity retention, *Tapinopa longidens* 2790.

Weight,

blood meals/sugars effects on, *Stomoxys calcitrans* 424.

diapause, *Grapholita funebrana* 6127.

diets/photoperiod effects on, *Henosepilachna* 2722.

effects on respiratory quotient, *Euzetes globulus* 7497.

Weight,(continued)

geographical variations, *Tribolium castaneum* 183.
 host plants effects on, *Philosamia ricini* 3616.
Mamestra brassicae pupae, humidity effects on 333.
 relationship fecundity, *Amblyomma americanum* 3666.
 relationship fecundity, mathematical models, *Myzus persicae* 5623.
 relationship fecundity/oviposition, *Boophilus microplus* 2750.
Weinreichius,
 new genus, Viet Nam 2325.
West Irian,
 new records *Theclines thes miskini* 1416.
 new species Chrysomelidae 5090.
 new species/geographical distribution Colydiidae 2316.
 new species Lycaenidae 7379.
 new species Tetrablemmidae 8975.
 new species Trombiculidae 19, 8973.
Wetmorea,
 taxonomy 8219.
Whartonia,
 new species, Oriental Region 2286.
Wiedemannia,
 new species, USSR 5886.
Wiedemannia lota,
 first record, British Isles Northamptonshire 7999.
Wings,
 cell death, imaginal discs, rudimentary mutants, *Drosophila melanogaster* 9316.
 chemoreceptors, *Phormia regina* 5277.
 coloration, variability/inheritance, *Acraea horta* 5754.
 development/differentiation, juvenile hormones, *Aphis nerii* 7604.
 elytra, diflubenzuron effects on, *Leptinotarsa decemlineata* 7600.
 elytra, functional morphology/phylogeny, Scaritini 8346.
 elytra, scales, Coleoptera 3444.
 elytra, structure, Cupedidae 3445.
 emergence, *Locusta migratoria* 3460.
 evolution, thermoregulation 5758.
 flight, aerodynamic properties, *Pachynoda sinuata* 2514.
 flight preparation, mechanical properties, *Thrips physapus* 1619.
 halteres effects on orienting response head, *Lucilia serricata* 2552.
 imaginal discs, regeneration, *Drosophila* 9312.
 length, relationship fertility, *Culicoides* 1848.
 length, selection, parental age effects on, *Drosophila melanogaster* 649.
 patterns determination, *Pararge aegeria* 9360.
 pigmentation, *Saldula fernaldi*, seasonal variations 982.
 polymorphism, *Longitarsus* 3180.
 stridulatory apparatus, *Kempiola shankari* 1734.
 teratology, *Gonimbrasia tyrreha* 199.
 ultrastructure, evolution, Rhinotermitidae 9716.
Wiseana,
 larvae, feeding behaviour 3753.
 larvae, sampling, methodology 3431.
 population regulation, viruses 3957.
Witlesia,
 taxonomy 9098.
Wittia,
 taxonomy 9092.
Wohlfahrtia,
 revision/geographical distribution, Canary Is. 6617.
Wollastoniella,
 new species, Kenya 2381.

World,

check lists Mecoptera 6684.
 zoogeography, Apoidea 2198.
Wormaldia copiosa,
 larvae, migration, seasonal variations, streams 3818.
Wyeomyia,
 larvae, age assessment 6723.
Wyeomyia felicia,
 population structure, competition effects on 8656.
 resource partitioning, *Heliconia aurea* communities 4745.
Wyeomyia smithi,
 nutrition effects on longevity/reproduction 4726.
 oogenesis, geographical variations 9357.
 oviposition site selection 3835.

Xanthandrus,

taxonomy 9052.

Xanthines,

caffeine, muscles *Leucophaea maderae* 4348.
 effects on cuticle pigments, *Vespa orientalis* 2503.

Xanthochelus faunus,

pest status, Pinus, India 3076.

Xanthocnemis zealandica,

territorial behaviour, larvae 4655.

Xanthodes,

taxonomy 9095.

Xanthogaleruca,

genitalia 2491.

Xantholinus,

new species, Turkey 6594.

new species, USSR 2337.

taxonomy 8159.

Xanthoteras,

taxonomy 4264.

Xenimpha,

new species, Malagasy Rep. 5188.

Xenistusa hexagonalis,

trail following behaviour *Reticulitermes* trail pheromone, termitophily 427.

Xenogenus,

taxonomy/zoogeography 9065.

Xenoleleupia,

new species, Tanzania 5105.

Xenomymex floridanus,

mandibular glands secretions 2628.

Xenopelopia,

morphology/new records, Germany, Fed. Rep. 2223.

Xenophorbia,

taxonomy 1468.

Xenopsylla cheopis,

pesticide resistance, Indonesia 4514.

Xenos pallidus,

competition, intraspecific interactions 7746.

Xenylla,

taxonomy/evolution 5119.

Xenylla grisea,

development, temperature effects on 4553.

Xestocephalus,

new species, Korea, Rep. 7338.

new species, Peru 819.

Xestopelia gracillima,

first record, Belgium 5009.

Xestoxenus,

new genus 5835.

- Xiphidiidae**,
taxonomy 60.
- Xiphidium glaberrimum***,
taxonomy 60.
- Xiphobelba***,
new species, India 3270.
- Xiphogramma***,
new species, India 9085.
- Xiphydria camelus***,
first record, Germany, Fed. Rep., Rheinland 4116.
- Xlombarg***,
new genus, Brazil 1429.
- Xossarella***,
new genus, Ethiopian Region 5909.
- Xyela***,
taxonomy 4277.
- Xyelidae**,
taxonomy 4277.
- Xyleborus***,
new species, Australia 2333, 4182.
- Xyleborus affinis***,
life cycles/development 5498.
rearing, artificial diets 2454.
- Xyleborus ferrugineus***,
prothoracic gland ecdysones/ultrastructure 7650.
- Xyleborus fornicatus***,
chemical control/growth regulators 2058.
- Xyleborus sayi***,
life cycles/development 5507.
- Xyleborus sus***,
taxonomy 4181.
- Xyletinus***,
new records, Canada Quebec 2244.
- Xylococcus***,
taxonomy 1495.
- Xylocopa frontalis***,
nesting behaviour/territorial behaviour 1073.
- Xylocopa mordax***,
foraging behaviour/pollination *Passiflora* 6255.
- Xylocopa sulcatipes***,
mating/territorial behaviour 2760.
- Xylocopa varipuncta***,
courtship/mating/lek behaviour 7655.
- Xylocopa violacea***,
new records, Germany, Fed. Rep. Kaiserslautern 4121.
- Xylocopidae**,
behaviour 2760.
ecology 4728, 4729.
- Xylodromus affinis***,
first record, Sweden 671.
- Xylomoia***,
new species, USSR Latvia 5951.
- Xylosciara***,
new species, USSR 6620.
- Xyloterus domesticus***,
isolation Sporozoa 7559.
- Xylotrypa***,
taxonomy 5185.
- Xysticus***,
new species, Morocco 760.
- Xysticus cambridgei***,
infection *Oligosporidium arachnicolum* 6088.
- Xysticus robinsoni***,
taxonomy 3290.
- Xysticus winnipegensis***,
taxonomy 5825.
- Xystodesmidae**,
appendages 3440.
- Yaginumaella***,
new species, Nepal 4170.
- Yama***,
new genus, Tahiti 4226.
- Yanga guttulata***,
life cycles/pest status, Malagasy Rep. 2068.
- Yeasts**,
Candida, nutrition *Drosophila*, productivity 1022.
- Yemen, Arab. Rep.**,
check lists/new records Carabidae 1368.
new species Scarabaeidae 789.
- Yemen, People's Dem. Rep.**,
check lists/new records Chrysomelidae 3208.
new species Bombyliidae 8177.
new species Megachilidae 5175.
pest status/ecology Isoptera 2228.
- Yola***,
new species, Ivory Coast 2298.
- Yolk**,
polypeptides, polymorphism, *Drosophila simulans* 2130.
proteins, embryogenesis, *Bombyx mori* 6122.
proteins variation, regulation vitellogenesis, *Drosophila* 1852.
ultrastructure, *Porcellio scaber* 349.
- Yponomeuta***,
attractants, 11-tetradecenyl acetate 9233.
enzyme polymorphism, heritability, hybrids 8880.
feeding, plant extracts effects on 2856.
hybrids, response gustatory stimuli 5745.
pheromones receptors, plants odours effects on 6249.
phylogeny, gustatory stimuli 7991.
- Yponomeuta cagnagellus***,
enzyme polymorphism, heritability 8795.
population genetics, enzyme polymorphism 4953.
- Yponomeuta malinellus***,
parasitism 7732.
- Yponomeutidae**,
attractants 9233.
biological control/chemical control 9622.
chemical control 3042, 3106, 3969.
competition 6999.
development 9325.
ecology/parasitism 8663.
feeding 2856.
genes 8795, 8880.
growth regulators 2728.
hybrids 5745.
new records, USSR 6516, 8054.
new species, Italy 9102.
parasitism 1116, 7732, 7740.
pest resistance *Brassica oleracea* 7075.
pesticide resistance 570.
phenology 2786.
pheromone traps 9591.
phylogeny 7991.
population genetics 4953.
review/check lists, Iberian Peninsula 691.
senses 6249.
- Yponomeutoidea**,
review/check lists, Iberian Peninsula 691, 1379.

- Ypsophilaeris*,
new genus 1529.
- Ytu*,
new species, Brazil 7302.
- Ytu brutus*,
pathology, Ciliata 7302.
- Yugoslavia**,
check lists Odonata 1396.
check lists Plecoptera 148.
geographical distribution/abundance *Anopheles atroparvus* 3213.
new records Dytiscidae/Gyrinidae/Haliplidae 1369.
new records Psocoptera 1397.
new records Psyllidae 9073.
new species Aphididae 5917.
new species Braconidae 4263.
new species Cantharidae 3299.
new species Geometridae 7373.
new species Nemouridae 148.
new species Neobisiidae 4179.
new species Scydmaenidae/Colydiidae 3297.
new species Staphylinidae 5866.
new species Zodariidae 8984.
new subspecies *Anthocharis damone* 4286.
new subspecies Hydraenidae 54.
new subspecies *Malthodes serbotae* 1441.
new subspecies *Tinodes dives* 869.
zoogeography Chrysomelidae 9004.
- Yugoslavia Istria**,
check lists Psocoptera 1397, 3239.
- Zabrotes subfasciatus*,
interspecific interactions *Acanthoscelides obtectus*,
Phaseolus vulgaris stored products 1165.
sex pheromone, interspecific interactions 4603.
- Zabrus*,
new species, Spain 42.
- Zachvatkinella*,
new species, Japan 4150.
- Zacryptocerus varians*,
behaviour/morphology adaptations 9652.
mandibular glands secretions, 4-heptanone/4-heptanol 273.
- Zaglyptogastra*,
taxonomy 9077.
- Zaire**,
check lists/new species Baetidae 3362.
new species Ceratopogonidae 5121.
new species Cerylonidae 3311.
new species Cixiidae 7346.
new species Ctenidae 5065.
new species Entomobryidae 7304, 9030.
new species Eupterotidae 5946, 5947.
new species Nymphalidae 3401, 5953.
new species Pselaphidae 5106, 5108, 6587, 6588.
new species Trombiculidae 5060.
- Zaire Bateke Plateau**,
check lists Scarabaeinae 3243.
- Zalutschia*,
new species, USA 66.
- Zamarada*,
new species, Ethiopian Region 3386.
- Zambia**,
new species Elateridae 1452.
- Zammara smaragdula*,
habitats/phenology, Costa Rica 384.
- Zaprius*,
body size, relationship desiccation tolerance 4757.
taxonomy/zoogeography 9041.
- Zaprius paravittiger*,
ageing, lipases activity 3612.
enzymes, biochemistry, development 6793.
esterase, enzyme polymorphism 3155.
- Zeanillus*,
taxonomy 2310.
- Zecillen*,
new genus, New Zealand 2307.
- Zeiraphera**,
biology/pest status, *Larix laricina* forests, USA Alaska 3713.
- Zeiraphera diniana*,
feeding, circadian rhythms 6023.
pest outbreaks, *Larix decidua* defoliation 6366.
- Zeiraphera truncata*,
spatial distribution, mathematical models 8659.
- Zelandotipula*,
new species, Neotropical Region 1487.
- Zelotes*,
taxonomy 3280.
- Zemira*,
taxonomy 6631.
- Zendoxus myrmosaeformis*,
bionomics/host plants 5482.
- Zeonidicola*,
new species, Chatham Is. 6567.
- Zeridonus costalis*,
parasitism 7743.
- Zeteticontus*,
new species, Japan 7355.
new species, USSR 9080.
- Ziczacella*,
taxonomy 8231.
- Zimbabwe**,
check lists Isoptera 3245.
new species Asilidae 3339.
new species Avenzoariidae 7.
new species Elateridae 1452.
new species Formicidae 8250.
new species Lycaenidae 7377.
new species Scarabaeidae 9019.
new species Scelionidae 840.
- Zimera*,
taxonomy 6631.
- Zinc**,
elimination, relationship oxygen consumption, *Acheta domestica* 1686.
nutrition, *Tenebrio molitor* 8409.
toxicity, *Tanytarsus dissimilis* 1778.
- Zodariidae**,
new species, Palaearctic Region 4176.
new species, Yugoslavia 8984.
- Zodarion*,
new species, Palaearctic Region 4176.
new species, Yugoslavia 8984.
- Zolotarewskyella afghana*,
taxonomy 2304.
- Zoniopoda tarsata*,
meiosis, chromosomes heterochromatin/nucleolus organizer region 4899.
- Zonitis*,
new species, Lao, People's Dem. Rep. 9014.
- Zonitoschema*,
new species, Philippines 9014.

Zonitoschema, (continued)

new species, Sri Lanka 2326.

Zonocerus variegatus,

host plants effects on survival/fecundity 5564.

life cycles/coloration 6953.

parasitism 1121.

phenology, Nigeria 5514.

phenology/mating 5516.

races, mating/oviposition 5446.

Zoogeography,

Coleoptera, temperate environments 7993.

Culicidae, Canada Quebec 2246.

Curculionidae, Poland Pieniny Mts. 3205.

Diptera zooplankton, geographical distribution, Nearctic Region 2247.

Discoeliinae 5167.

Gerridae 3185.

Halobates, Pacific Ocean 9718.

Hemiptera, Sudan (Dem.Rep.) 4104.

Insecta, streams, Australian Region 5038.

new Coleophoridae 2424.

Protura, Seychelles 2440.

Psylloidea, Nearctic Region/Palaearctic Region 1358.

Stilpha obscura, Palaearctic Region 2334.

soil Insecta, USSR Estonia, Saaremaa I. 8906.

Zootermopsis angusticollis,

biosynthesis hydrocarbons 243.

fatty acids metabolism/hydrocarbons biosynthesis 247.

haemolymph proteins, castes differences 8387.

neoteny 5431.

Zootermopsis nevadensis,

spermatozoa anatomy/phylogeny 7645.

Zophodetus,

new genus, fossils, Dominican Rep. 8257.

Zorcadium,

taxonomy 6634.

Zubovskia,

new species, USSR 145.

Zygaena,

new species, Turkey 8283.

new subspecies, Iran 4290.

pheromone gland/brush organs 3181.

taxonomy 8284.

Zygaena excelsa,

new subspecies, Morocco 5956.

Zygaena rhadamanthus,

new subspecies, Spain 135.

Zygaena viciae,

first record, Spain Navarra 3233.

Zygaenidae,

biology 3716.

check lists, France Paris 8045.

geographical distribution, Netherlands 5775.

glands 3181.

new records, Iberian Peninsula 3228.

new records, Spain Navarra 3233.

new species, Turkey 8283.

new subspecies, Iran 4290.

new subspecies, Morocco 5956.

new subspecies, Spain 135.

taxonomy 8284.

taxonomy/morphology 136.

taxonomy/zoogeography, Lebanon 8050.

Zygeilla,

new species, India 2290.

Zygethobius pontis,

first record, USA Ohio 509.

taxonomy 9110.

Zygiella x-notata,

leg nerves 218.

Zygina,

new species, Papua New Guinea 1498.

taxonomy 5920.

Zygina inazuma,

taxonomy 8231.

Zygina rubronotata,

biology/pest status 7715.

infestations, fruits, Pakistan 9470.

Zyginella,

new species, India 7339.

Zyginellini,

revision 5145.

Zygomma exclamatoris,

pest resistance *Helianthus* 5678.

Zygomys,

new species, Germany, Fed. Rep. 9051.

Zygoribatula,

new species, Egypt, Arab. Rep. 1421.

new species, Tunisia 2282.

taxonomy 3274.

Zygoribatula cognata,

first record, Egypt, Arab. Rep. 1421.

Zyras,

new species, Ethiopian Region 5115.

Zyras confragosus,

first record, German Dem. Rep. 1364, 2215.

IRL PRESS LTD ANNOUNCE AN AUTHORITATIVE NEW INTERNATIONAL JOURNAL TO BE PUBLISHED FOR
THE EUROPEAN MOLECULAR BIOLOGY ORGANIZATION

The EMBO Journal

to be published monthly starting 1982

Executive Editor: John Tooze

European Molecular Biology Organization, Postfach 1022 40, 6900 Heidelberg 1, Federal Republic of Germany

CONTAINING SIGNIFICANT ORIGINAL RESEARCH IN MOLECULAR BIOLOGY AND RELATED AREAS

features:-

- Fast publication – manuscripts to be typeset and published within 12 weeks of acceptance.
- No page charge levy.
- An estimated 2000 pages in Volume 1, including an annual author and subject index in the last issue of the volume.
- Issues mailed by air to non-European subscribers.
- Reduced personal subscription rates for EMBO members and others who declare the journal is for their personal use.
- All manuscripts will be submitted through an EMBO member who will be responsible for their scientific standard. Each member may contribute or communicate on behalf of scientists who are not members a maximum of 5 papers per year. All papers will subsequently be subjected to normal refereeing procedures.

EMBO, following a ballot amongst its members, is convinced that the European contribution to molecular biology merits a flourishing and fully competitive international journal based in Europe. Thus, both EMBO and the publishers are guaranteeing rapid publication with commensurate high standards of production and printing.

Publishing the journal under the auspices of EMBO will ensure not only the high quality of communications but also prompt and expert refereeing by the best molecular biologists in Europe.

A special 16-page booklet is now available containing additional information on The EMBO Journal and the history of the European Molecular Biology Organization. This is typeset,

printed and bound in the same style and format as the journal itself. Full instructions to authors and subscription information are included. Use the coupon below to obtain your free copy.

Annual subscription price for libraries and other multi-user institutions:
£155/US \$310.

IRL Press Ltd

1 Abbey Street, Eynsham, Oxford
OX8 1JJ, UK
1911 Jefferson Davis Highway,
Arlington, VA 22202, USA

